



# OSU - College of Engineering, Architecture & Technology

## Biosystems Engineering Pre-Professional School, 2012-2013

### Environment & Natural Resources Option

Semester 1, 16 credit hours	Semester 2, 18 credit hours	Semester 3, 18 credit hours	Semester 4, 18 credit hours
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>HIST</b> 1103         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Min C in MATH 1613 or 1715 OR ALEKS         </div> <div style="width: 50%;">           PHYS 2014 or Co MATH 2153 ENSC 2113 ENSC 2213 BAE 2012 BAE 1022         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>MATH</b> 2144         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>BAE</b> 1012         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>BIOL</b> 1114         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           BAE 2012 BAE 2023         </div> <div style="width: 50%;">           ENGL 1213         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <sup>1</sup><b>ENGL</b> 1113         </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           HS/Coll Chem, Min C- MATH 1513 or Co in 1613, 1715+         </div> <div style="width: 50%;">           ENSC 2213 CHEM 3053         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>CHEM</b></u> 1414         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>ENGR</b> 1322         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>PHYS</b></u> 2014         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           MATH 2144 or Co         </div> <div style="width: 50%;">           ENSC 2113 ENSC 2213 PHYS 2114 BAE 2023         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">           Min C in MATH 2144         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>MATH</b></u> 2153         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>BAE</b> 1022         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           BAE 1012 or Instructor Consent         </div> <div style="width: 50%;">           BAE 2023 BAE 3213         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>ENGL</b> 1213         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           ENGL 1113         </div> <div style="width: 50%;">           ENSC 2113 ENSC 2213 PHYS 2114 BAE 2023         </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           CHEM1314, 1414 or 1515 MATH 2144 PHYS 2014         </div> <div style="width: 50%;">           BAE 3213 BAE 3113         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>ENSC</b></u> 2213         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">           MATH 2144 PHYS 1114 or 2014         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>ENSC</b></u> 2113         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           PHYS 2014 or 2314         </div> <div style="width: 50%;">           ENSC 2143 ENSC 3233         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>PHYS</b></u> 2114         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Min C in MATH 2153         </div> <div style="width: 50%;">           ENSC 2613         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>MATH</b></u> 2163         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>BAE</b> 2012         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           BIOL 1114 MATH 2144         </div> <div style="width: 50%;">           BAE 3113         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>POLS</b> 1113         </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>SOIL</b> 2124         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           CHEM 1215         </div> <div style="width: 50%;">           BAE 3013, BAE 3313 or Co, BAE 3113, BAE 4313         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">           ENSC 2113 MATH 2153         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u><b>ENSC</b></u> 3233         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">           Min C in MATH 2153         </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>MATH</b> 2233         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           BAE 1022 BIOL 1114 PHYS 2014         </div> <div style="width: 50%;">           BAE 3023 BAE 3113         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>BAE</b> 2023         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           BAE 3313 or Co         </div> <div style="width: 50%;">           ENGR 1412         </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <sup>2</sup>S / D H / I         </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) and 6 hrs (S). Of these, 3 hours must meet the International Dimension (I) and 3 hours must meet the Diversity (D) req't.

David L. Rowan



# OSU - College of Engineering, Architecture & Technology

## Biosystems Engineering Professional School, 2012-2013

### Environment & Natural Resources Option

Semester 5, 16 credit hours	Semester 6, 18 credit hours	Semester 7, 15 credit hours	Semester 8, 14 credit hours
MATH 2153 PHYS 2114 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">ENSC 2613</div> BAE 3213 BAE 3023	ENSC 2113 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">ENSC 2143</div> BAE 3213 BAE 4012 or Co	Co BAE 4012 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 4001</div> BAE 4012 or Co	BAE 4012 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 4023</div>
ENSC 3233 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 3013</div> BAE 4012 or Co	BAE 1022 ENSC 2143 ENSC 2213 ENSC 2613 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 3213</div>	BAE 3013, 3023, 3113, 3313, 4001, ENSC 2143 (or Co's) <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 4012</div> BAE 4023	Varies <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">Eng/Sci ELECT</div>
BAE 2023 or Co, and ENSC 3233 or Co <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 3313</div> BAE 4012 or Co, BAE 4313	ENSC 2613 MATH 2233 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 3023</div> BAE 4012 or Co	Varies <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">Eng/Sci ELECT</div>	Varies <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">Eng/Sci ELECT</div>
CHEM 1414 or 1515 or Equivalent <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">CHEM 3053</div>	BAE 2012 ENSC 2213 ENSC 3233 MATH 2233 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 3113</div> BAE 4012 or Co, BAE 4283	BAE 3313 ENSC 3233 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BAE 4313</div>	Varies <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">Eng/Sci ELECT (2)</div>
BOT 1404 ZOOL 1604 MATH 1513 or 1715 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">BIOL 3034</div>	MATH 2153 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">IEM 3503</div>	<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">2S / D H / I</div>	<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">2S / D H / I</div>
	MATH 1483 or 1513 <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">STAT 2013</div>	<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">2S / D H / I</div>	

David Weaver

133 hours

Prereqs to Course ABC

Course ABC

Course ABC is a prereq to these courses.