



OSU - College of Engineering, Architecture & Technology

Civil Engineering Pre-Professional School 2016-2017

Semester 1 - 17 credit hours	Semester 2 - 18 credit hours	Semester 3 - 17 credit hours	Semester 4 - 19 credit hours
<p style="text-align: center;">ENGR <u>1412</u> Engr Prgm</p> <p>HS or College CHEM & Min C in MATH 1513, 1613, 1715</p> <p style="text-align: center;">CHEM <u>1414</u> For Engr</p> <p style="text-align: center;">ENGR <u>1111</u> Intro to Engr</p> <p>Min C In MATH 1613 OR 1715 OR ALEKS</p> <p style="text-align: center;">MATH <u>2144</u> Calc I</p> <p style="text-align: center;">²ENGL <u>1113</u> Comp I</p> <p style="text-align: center;">POLS 1113 Am Govt</p>	<p style="text-align: center;">⁵Science Elective</p> <p style="text-align: center;">ENGR 1322 AutoCad</p> <p>Min C in MATH 2144</p> <p style="text-align: center;">PHYS <u>2014</u> Physics I</p> <p>Min C in MATH 2144</p> <p style="text-align: center;">MATH <u>2153</u> Calc II</p> <p style="text-align: center;">³S/D/I</p> <p style="text-align: center;">HIST 1103 Survey of Am Hist</p>	<p>CHEM 1414 MATH 2144 PHYS 2014</p> <p style="text-align: center;">ENSC 2213 Thermo</p> <p>MATH 2144 PHYS 2014</p> <p>Min C in PHYS 2014 or 2314</p> <p>Min C in MATH 2153</p> <p>Sophomore Standing</p> <p style="text-align: center;">ENSC 2213 ENSC 2113 PHYS 2114 CIVE 3833 CIVE 3843</p> <p style="text-align: center;">MATH 2163 ENSC 2613 MATH 2233 ENSC 3233 IEM 3503</p> <p style="text-align: center;">SPCH 2713 Intro to Speech (S)</p> <p style="text-align: center;">⁴CIVE 2041 Soph Semin</p>	<p>ENSC 2113</p> <p style="text-align: center;">ENSC 2143 <u>Strengths</u></p> <p>ENSC 2113</p> <p>Min C in MATH 2144 & CHEM 1414</p> <p>Varies</p> <p>Min C in MATH 2153</p> <p>Min C in MATH 1613 or 1715</p> <p style="text-align: center;">ENSC 2123 ENSC 2143 ENSC 3233</p> <p style="text-align: center;">ENSC 2613</p> <p style="text-align: center;">STAT 4073</p> <p style="text-align: center;">CIVE 3813 Envr Engr</p> <p style="text-align: center;">⁷Science Elective</p> <p style="text-align: center;">MATH <u>2233</u> Diff Eq</p> <p style="text-align: center;">CIVE 3614 Surveying</p> <p>CIVE 3714 CIVE 3413</p> <p>CIVE 4833</p> <p>CIVE 3633</p>

1. **Underlined** = required before Professional School (+2 more ENSC courses, preferred **ENSC 3233 & 2123**)
2. If a 'B' or higher is not earned in ENGL 1113, ENGL 1213 is also required.
3. Min 6 hrs (H) and 3 hrs (S). Of these, courses should include the International Dimension (I) & Diversity (D) requirement. The remaining 3 hrs of (S), to meet the Gen Ed req't, is met with SPCH 2713.
4. **CIVE 2041, 3413, 3714 & 4041** are offered during the fall semester only.
5. Basic Science Group 1: **BIOL 1114, GEOG 4203, GEOL 1114, 4453 or SOIL 2124.**



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Semester 5 - 16 credit hours	Semester 6 - 18 credit hours	Semester 7 - 16 credit hours	Semester 8 - 15 credit hours
<div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 0 auto;">³H/D/I</div>	Adm to PS Min C in CIVE 3813 & ENSC 3233 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 4833 Unit Operations</div>	Adm to PS <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 4273 Const Proj Mngmt</div>	Adm to PS Min C in CIVE 3614 & STAT 4073 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 3633 Transportation</div>
Min C in ENSC 2143 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁴CIVE 3714 Geot Engr</div> CIVE 3623 CIVE 4043	Adm to PS Min C in CIVE 3714 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 3623 Materials</div>	MATH 2153 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">IEM 3503 Engr Econ</div>	Adm to PS Enr in Last 2 Sem, Min C in CIVE 3513, 3523, & 3714 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁶CIVE 4043 Sr Design</div>
Min C in ENSC 2143 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁴CIVE 3413 <u>Str Analy</u></div> CIVE 3523 CIVE 3513	MATH 2163 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">STAT 4073 Engr Stat w/design</div>	Adm to PS Min C in CIVE 3413 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 3513 Steel</div> CIVE 4043	Adm to PS Enrolled in Last 2 Sem <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁸Contr Elective</div>
ENSC 2113 MATH 2153 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">ENSC 3233 Fluids</div> CIVE 3833 CIVE 3843 CIVE 4833	Adm to PS Min C in CIVE 3413 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁶CIVE 3523 Concrete</div> CIVE 4043	Adm to PS Enrolled in Last 2 Sem <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁶CIVE 4041 Engr Practice</div>	Adm to PS Enrolled in Last 2 Sem <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁸Contr Elective</div>
<div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 0 auto;">³H/D/I</div>	Adm to PS Min C in ENSC 3233 PHYS 2014 and CHEM 1414 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 3833 Hydraulics</div> <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">CIVE 3843 Hydrology</div>	ENGL 1113 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">ENGL 3323 Technical Writing</div>	MATH 2153 PHYS 2114 <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">ENSC 2613 Intro to Elec Science</div>
		Adm to PS Enrolled in Last 2 Sem <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 5px auto;">⁸Contr Elective</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Professional School Required</div>

6. **CIVE 3523 & 4043** are offered during the spring semester only.
7. Basic Science Group 2 - take one of the following: **CHEM 2113, CHEM 3053, PHYS 3013, 3513, MATH 3013, 4013 or 4233** or another from **Basic Science Group 1**:
8. Controlled Elective - 4000 and 5000-level courses in Civil Engineering not required in the curriculum.



136 hours	Denotes PS courses	CIVE non-PS courses
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