



# OSU - College of Engineering, Architecture & Technology

## Civil Engineering Pre-Professional School 2019-2020

Semester 1 - 17 credit hours	Semester 2 - 16 credit hours	Semester 3 - 17 credit hours	Semester 4 - 16 credit hours
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR 1412</u> Engr Prgm         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           College CHEM Min C in MATH 1513,         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>CHEM 1414</u> For Engr         </div> <div style="width: 45%;">           CIVE 3813 CIVE 3833 CIVE 3843         </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR 1111</u> Intro to Engr         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Min C In MATH 1813 or ALEKS 75         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH 2144</u> Calc I         </div> <div style="width: 45%;">           PHYS 2014 MATH 2153 ENSC 2113 CIVE 3813 CIVE 3614         </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; display: flex; justify-content: space-between;"> <div style="width: 45%;"> <u>ENGL 1113</u> Comp I         </div> <div style="width: 45%;">           ENGL 3323         </div> </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">           POLS 1113 Am Govt         </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <sup>5</sup>Science Elective         </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;">           ENGR 1322 AutoCad         </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Min C in MATH 2144         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>PHYS 2014</u> Physics I         </div> <div style="width: 45%;">           ENSC 2113 PHYS 2114 CIVE 3833 CIVE 3843         </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Min C in MATH 2144         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH 2153</u> Calc II         </div> <div style="width: 45%;">           MATH 2163 MATH 2233 ENSC 3233 IEM 3503         </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;">           HIST 1103 Survey of Am Hist         </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Sophomore Standing         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <sup>4</sup>CIVE 2041 Soph Semin         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           MATH 2144 PHYS 1114 or 2014         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC 2113</u> Statics         </div> <div style="width: 45%;">           ENSC 2123 ENSC 2143 ENSC 3233         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           Min C in PHYS 2014         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>PHYS 2114</u> Physics II         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           Min C in MATH 2153         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH 2163</u> Calc III         </div> <div style="width: 45%;">           STAT 4033/4073         </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;">           SPCH 2713 Intro to Speech (S)         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <sup>3</sup>H/D/I         </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           ENSC 2113         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC 2143</u> Strengths         </div> <div style="width: 45%;">           CIVE 3714 CIVE 3413         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           ENSC 2113         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC 3233</u> Fluids         </div> <div style="width: 45%;">           CIVE 3833 CIVE 3843 CIVE 4833         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           Min C in MATH 2144 &amp; CHEM 1414         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">           CIVE 3813 Envr Engr         </div> <div style="width: 45%;">           CIVE 4833         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           Min C in MATH 2144 or higher         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">           CIVE 3614 Surveying         </div> <div style="width: 45%;">           CIVE 3633         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;">           Min C in MATH 2153         </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH 2233</u> Diff Eq         </div> </div>

1. Students have the option to take CHEM 1314 and 1515
2. If a 'B' or higher is not earned in **ENGL 1113, ENGL 1213 and ENGL 3323** are 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, 3513 & 4041** are offered during the fall semester only.
5. Science Elective: **BIOL 1114 or GEOL 1114.**

Underlined classes must be completed before Professional School



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## Civil Engineering Professional School 2019-2020

Semester 5 - 16 credit hours	Semester 6 - 15 credit hours	Semester 7 - 16 credit hours	Semester 8 - 15 credit hours
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"><sup>3</sup>H/D/I</div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Min C in ENSC 2143</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 3714 Geot Engr</div> <div style="text-align: center;">CIVE 3623 CIVE 4043</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Min C in ENSC 2143</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 3413 <u>Str Analy</u></div> <div style="text-align: center;">CIVE 3523 CIVE 3513</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">ENSC 2113 MATH 2153</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">ENSC 2123 <u>Dynamics</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">MATH 2163</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">STAT 4033/4073 Engr Stat</div> <div style="text-align: center;">CIVE 3633</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in ENSC 3233 PHYS 2014 CHEM1414</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>6</sup>CIVE 3833 Hydraulics</div> <div style="text-align: center;">CIVE 4043</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in CIVE 3714</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 3623 Materials</div> <div style="text-align: center;">CIVE 4043</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in CIVE 3413</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>6</sup>CIVE 3523 Concrete</div> <div style="text-align: center;">CIVE 4043</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in ENSC 3233 PHYS 2014 CHEM1414</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>6</sup>CIVE 3843 Hydrology</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in CIVE 3614 STAT 4033/4073</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 3633 Transportation</div> <div style="text-align: center;">CIVE 4043</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 4273 Const Proj Mngmt</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in ENSC 3233 CIVE 3813</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 4833 Unit Operations</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Min C in CIVE 3413</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>4</sup>CIVE 3513 Steel</div> <div style="text-align: center;">CIVE 4043</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Enrolled in Last 2 Sem</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>4</sup>CIVE 4041 Engr Practice</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">ENGL 1113</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">ENGL 3323 Technical Writing</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Enrolled in Last 2 Sem</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>7</sup>Contr Elective</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">MATH 2153</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">IEM 3503 Engr Econ</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS, Last sem &amp; all pre-reqs in course description</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">CIVE 4043 Sr Design</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Enrolled in Last 2 Sem</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>7</sup>Contr Elective</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">Adm to PS Enrolled in Last 2 Sem</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>7</sup>Contr Elective</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">MATH 2163</div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"><sup>3</sup>S/D/I</div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">       Professional School Admit Required     </div>

- 6. **CIVE 3523, 3833, & 3843** are offered during the spring semester only.
- 7. Controlled Elective - 4000 or 5000-level courses in Civil Engineering not required in the curriculum



128 hours	Denotes PS courses	CIVE non-PS courses
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