Civil Engineering Undergraduate Program

### Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 Intro</td>
<td>PHYS 2210*</td>
</tr>
<tr>
<td>LEAP 1501^</td>
<td>LEAP 1500^</td>
</tr>
<tr>
<td>CHEM 1210®</td>
<td>CHEM 1220®</td>
</tr>
<tr>
<td>CHEM 1215®</td>
<td>PHYS 2215®</td>
</tr>
<tr>
<td>MATH 1210</td>
<td>MATH 1220</td>
</tr>
<tr>
<td>WRTG 2010 or ESL 1060</td>
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### Sophomore

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<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>2010* Statics</td>
<td>2140* Strength</td>
</tr>
<tr>
<td>2300* Eng. Econ</td>
<td>CS 1000 Eng. Computing</td>
</tr>
<tr>
<td>2310* Statistics</td>
<td>CH EN 2300* Thermo.</td>
</tr>
<tr>
<td>MSE 2170* Elements of MSE</td>
<td>MG EN 1050 Tech. Comm.</td>
</tr>
<tr>
<td>MG EN 2400</td>
<td>MATH 2250 ODE’s</td>
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<tr>
<td>MATH 2210</td>
<td>ME EN 2020 Particle Dynamics</td>
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### Junior

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<thead>
<tr>
<th>Fall</th>
<th>Spring^%</th>
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</thead>
<tbody>
<tr>
<td>3000 Seminar</td>
<td>3310/3315 Geotech I</td>
</tr>
<tr>
<td>3100* Tech. Comm.</td>
<td>3610* Enviro. I</td>
</tr>
<tr>
<td>3210* Structures I</td>
<td></td>
</tr>
<tr>
<td>3410/3415 Hydraulics</td>
<td></td>
</tr>
<tr>
<td>3510* Materials</td>
<td></td>
</tr>
<tr>
<td>3520* Transportation</td>
<td></td>
</tr>
<tr>
<td>MATH 2210</td>
<td>ME EN 2020</td>
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### Senior

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>4000 Seminar</td>
<td>4910* Prof Design</td>
</tr>
<tr>
<td>4000</td>
<td>Technical Elective</td>
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<tr>
<td>4000</td>
<td>Technical Elective</td>
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<tr>
<td>4000</td>
<td>Technical Elective</td>
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- ^LEAP 1501– Fulfills a Social and Behavioral Science requirement. LEAP 1500-Fulfills a Humanities & Diversity requirements. All transfer students must take these courses unless they have 2 or more Humanities and Social & Behavioral Science Courses.
- ® Students must take CHEM 1210, CHEM 1215, and PHYS 2210 (after MATH 1310). Students must take one additional lab course and it is recommended to take PHYS 2215 but they can take CHEM 1225 or CHEM 2315. Additionally, students must take CHEM 1220, or CHEM 2310, or PHYS 2220. Students should check with their faculty advisors to see which of these options is best for their program.
- * Must take 2 of the 3 courses
  - MSE 2170 Mat’l Science
  - CH EN 2300: Thermodynamics

All Student must take 2 Fine Arts, 2 Humanities, and 2 Social & Behavioral Science courses to fulfill the Intellectual Exploration requirements. Associates degrees do not fulfill the department’s requirements automatically.

Updated November 30, 2015