# CIVIL AND ENVIRONMENTAL ENGINEERING
Curriculum Guide Fall 2015

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>NAID #</th>
<th>ADVISOR</th>
</tr>
</thead>
</table>

## Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Crs</th>
<th>Grade</th>
<th>Gen Ed</th>
<th>Course</th>
<th>Crs</th>
<th>Grade</th>
<th>Gen Ed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121 (120)</td>
<td>3</td>
<td>S</td>
<td>General Chem I</td>
<td>CE 111</td>
<td>Intro Civil Engr</td>
<td>2</td>
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</tr>
<tr>
<td>CHEM 121L (130)</td>
<td>1</td>
<td>L</td>
<td>General Chem I Lab</td>
<td>CHEM 122 (121)</td>
<td>General Chem II</td>
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<td>S</td>
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<tr>
<td>ENGL 110 (111)</td>
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<td>C</td>
<td>College Comp I</td>
<td>CHEM 122L (131)</td>
<td>General Chem II Lab</td>
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<tr>
<td>ENGL 120</td>
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<td>C</td>
<td>College Comp II</td>
<td>COMM 110</td>
<td>Fund Public Speaking</td>
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<td>C</td>
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<tr>
<td>MATH 165 (160)</td>
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<td>R</td>
<td>Calculus I</td>
<td>MATH 166 (161)</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>UNIV 189 (199)</td>
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<td>F</td>
<td>Skills for Success</td>
<td>ME 221</td>
<td>Engr Mechanics I</td>
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</table>

Gen Ed Elective | See side bar | 3 | A |

### Total Credits: 18

## Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Crs</th>
<th>Grade</th>
<th>Gen Ed</th>
<th>Course</th>
<th>Crs</th>
<th>Grade</th>
<th>Gen Ed</th>
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<tbody>
<tr>
<td>CE 204</td>
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<td>Surveying</td>
<td>IME 460</td>
<td>Eval Engr Data</td>
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<td>CE 212</td>
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<td>CE Graphic Comm</td>
<td>MATH 266 (261)</td>
<td>Intro Diff Equations</td>
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<td>GEOL 105 (120)</td>
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<td>S/G</td>
<td>Physical Geology</td>
<td>ME 223</td>
<td>Mech of Materials</td>
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<tr>
<td>MATH 128 (228)</td>
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<td>Intro Linear Algebra</td>
<td>PHYS 252 (253)</td>
<td>Univ Physics II</td>
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<tr>
<td>MATH 259 (260)</td>
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<td>Multivariate Calc</td>
<td>Gen Ed Elective</td>
<td>See side bar</td>
<td>2</td>
<td>W</td>
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<tr>
<td>ME 222</td>
<td>3</td>
<td></td>
<td>Engr Mechanics II</td>
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</tbody>
</table>

### Total Credits: 16

## General Education (Gen Ed) Electives

University general education categories, credit requirements, and approved course offerings are printed as a centerfold in the registration schedule for each term. Many categories have been integrated into the Civil Engineering program with specific course requirements (left). For the remaining categories (below), students select approved courses of their choice (unless otherwise noted).

### Gen Ed

- **A**: Humanities/Fine Arts
- **B**: Social/Behavioral Sciences
- **C**: Communication
- **D**: Cultural Diversity
- **E**: Global Perspectives
- **F**: First-Year Experience
- **G**: Science & Technology
- **L**: Co-requisite Lab
- **R**: Quantitative Reasoning
- **W**: Wellness

### Gen Ed Categories:

- **A -** Humanities/Fine Arts
- **B -** Social/Behavioral Sciences
- **C -** Communication
- **D -** Cultural Diversity
- **E -** Global Perspectives
- **F -** First-Year Experience
- **G -** Science & Technology
- **L -** Co-requisite Lab
- **R -** Quantitative Reasoning
- **W -** Wellness

### Technical Electives

A list of approved courses is provided by the department.

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Design</th>
<th>Crs</th>
<th>Grade</th>
</tr>
</thead>
</table>

### Minimum of 3

### TOTAL CREDITS: 133

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**Notes:**
- No grades less than "C" accepted in ME 221, 222, 223 or MATH courses.
- Transfer students are required to take either ENGR 311 or 312 regardless of Gen Ed completion.

### Key:
- "T" indicated requirement satisfied with transfer credits.
- "IP" indicates a course currently in progress.
- () indicates old course numbers.
- "NR" indicates that it is not required.
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- "UNIV 189 is required for students with fewer than 24 earned transfer credit."
- First year students with a composite ACT score of 21 should register for ENGL 120 (unless transfer credit for ENGL 120 is received). If ENGL 120 is completed with a grade of "C" or better, three credits will be awarded for ENGL 110 with a passing grade (P). For more details on NDSU's Placement process, go to www.ndsu.edu/cfwriters.

Last Revised 05/10/12