FINISH IN 4 AT UND
When you begin your Civil Engineering degree at Bismarck State College.

Plan of Study: Bachelor of Science in Civil Engineering

<table>
<thead>
<tr>
<th>Begin courses at BSC</th>
</tr>
</thead>
<tbody>
<tr>
<td>**First Year</td>
</tr>
<tr>
<td>ENGL 110 – College Composition</td>
</tr>
<tr>
<td>MATH 165 – Calculus I</td>
</tr>
<tr>
<td>CHEM 121/121L – General Chemistry I and lab</td>
</tr>
<tr>
<td>Humanities course – HIST 101, 102, 103 or 104</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
</tr>
<tr>
<td>**First Year</td>
</tr>
<tr>
<td>CHEM 122/122L – General Chemistry II and lab</td>
</tr>
<tr>
<td>ENGL 120/125 – College Composition or Intro to Professional Writing</td>
</tr>
<tr>
<td>MATH 166 – Calculus II</td>
</tr>
<tr>
<td>COMM 110 – Public Speaking</td>
</tr>
<tr>
<td>ENGR 201 – Statics</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
</tr>
</tbody>
</table>

| **Second Year | First Semester** |
| ENGR 204/L – Surveying I and lab | 4 |
| MATH 265 – Calculus III | 4 |
| PHYS 251/251L – University Physics I and lab | 5 |
| ENGR 202 – Dynamics | 3 |
| MATH 210 – Elementary Statistics | 3 |
| **Total Credits** | 19 |

Apply to UND by April 15
- Complete online application at UND.edu/transfer
- Request CCCC transcripts to be sent to UND.

Apply for scholarships at UND by March 1
- After admission submit application for campus-wide scholarships in UND’s Scholarship Central

| **Second Year | Second Semester** |
| MATH 266 – Differential Equations | 3 |
| ECON 201 – Principles of Economics | 3 |
| ENGR 203 – Mechanics of Materials | 3 |
| CAD 211 – Computer Aided Design | 3 |
| Social Science Elective | 3 |
| Enrichment Course | 3 |
| **Total Credits** | 18 |

Take next steps to begin at UND
- Begin new student checklist at UND.edu/admitted
- Attend UND Transfer Student Orientation at UND.edu/orientation

<p>| <strong>Third Year | First Semester</strong> |
| ENGR 340 – Professional Integrity in Engineering | 3 |
| CE 411 – Civil Engr. Material Lab | 1 |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 306</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>CE 351</td>
<td>Structural Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>CE 412/412L</td>
<td>Soil Mechanics and lab</td>
<td>4</td>
</tr>
<tr>
<td>HUM/AW 202</td>
<td>Humanities – Analyzing Worldviews</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Third Year | Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CE 101</td>
<td>Intro to Civil Engineering</td>
<td>1</td>
</tr>
<tr>
<td>CE 423/423L</td>
<td>Hydraulic Engineering and lab</td>
<td>4</td>
</tr>
<tr>
<td>CE 432/431L</td>
<td>Environmental Engineering and lab</td>
<td>4</td>
</tr>
<tr>
<td>CE 451</td>
<td>Steel Design</td>
<td>3</td>
</tr>
<tr>
<td>GEOE 203</td>
<td>Earth Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>CE 103</td>
<td>Graphical Communication</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

**Fourth Year | First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 421</td>
<td>Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>CE 432</td>
<td>Environmental Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>CE 453</td>
<td>Reinforced Concrete</td>
<td>3</td>
</tr>
<tr>
<td>CE 482</td>
<td>Civil Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 460</td>
<td>Engineering Economy</td>
<td>3</td>
</tr>
<tr>
<td>CE Technical Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Apply to graduate from UND
- After registering for your last semester of courses, apply at [UND.edu/commencement](http://UND.edu/commencement)

**Fourth Year | Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>CE 414</td>
<td>Foundation Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CE 416</td>
<td>Transportation Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CE 444</td>
<td>Contracts and Specifications</td>
<td>3</td>
</tr>
<tr>
<td>CE 483</td>
<td>Civil Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 200</td>
<td>Computer Applications in Engineering</td>
<td>2</td>
</tr>
<tr>
<td>CE Technical Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS TO GRADUATE** 142