## Minor in Transportation Engineering

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAE 416</td>
<td>Facility Design of Transportation Systems</td>
<td>3</td>
</tr>
<tr>
<td>CAE 419</td>
<td>Introduction to Transportation Engineering and Design</td>
<td>3</td>
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<td></td>
<td><strong>Select a minimum of 3 courses from the list below:</strong></td>
<td></td>
</tr>
<tr>
<td>CAE 408</td>
<td>Bridge and Structural Design</td>
<td>3</td>
</tr>
<tr>
<td>CAE 417</td>
<td>Railroad Engineering and Design</td>
<td>3</td>
</tr>
<tr>
<td>CAE 437</td>
<td>Homeland Security Concerns in Engineering Systems</td>
<td>3</td>
</tr>
<tr>
<td>CAE 439</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CAE 471</td>
<td>Construction Planning and Scheduling</td>
<td>3</td>
</tr>
<tr>
<td>MATH 426</td>
<td>Statistical Tools for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 435</td>
<td>Linear Optimization</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 15

Appropriate substitutions may be made with the approval of the minor adviser.