The program offers a minor in computer science for students who wish to develop a strong competence in computer science while majoring in another area.

### Course Title

<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>MATH 220-1 &amp; MATH 220-2</th>
<th>Single-Variable Differential Calculus and Single-Variable Integral Calculus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 218-1 &amp; MATH 218-2 &amp; MATH 218-3</td>
<td>Single-Variable Calculus with Precalculus and Single-Variable Calculus with Precalculus and Single-Variable Calculus with Precalculus</td>
</tr>
<tr>
<td>MATH 230-1</td>
<td>Multivariable Differential Calculus</td>
<td></td>
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<tr>
<td></td>
<td>MATH 228-1</td>
<td>Multivariable Differential Calculus for Engineering</td>
</tr>
<tr>
<td>MATH 240-0</td>
<td>Linear Algebra</td>
<td></td>
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</tbody>
</table>

#### Minor Requirements (9 units)

<table>
<thead>
<tr>
<th>6 core courses</th>
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</thead>
<tbody>
<tr>
<td>COMP_SCI 111-0</td>
</tr>
<tr>
<td>COMP_SCI 150-0</td>
</tr>
<tr>
<td>COMP_SCI 211-0</td>
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<tr>
<td>COMP_SCI 212-0</td>
</tr>
<tr>
<td>COMP_SCI 213-0</td>
</tr>
<tr>
<td>COMP_SCI 214-0</td>
</tr>
</tbody>
</table>

| 3 breadth courses in 3 separate breadth areas (see below) |

#### Software Development and Programming Languages

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP_SCI 310-0</td>
<td>Scalable Software Architectures</td>
</tr>
<tr>
<td>COMP_SCI 321-0</td>
<td>Programming Languages</td>
</tr>
<tr>
<td>COMP_SCI 338-0</td>
<td>Practicum in Intelligent Information Systems</td>
</tr>
<tr>
<td>COMP_SCI 377-0</td>
<td>Game Design Studio</td>
</tr>
<tr>
<td>COMP_SCI 392-0</td>
<td>Rapid Prototyping for Software Innovation</td>
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<tr>
<td>COMP_SCI 393-0</td>
<td>Software Construction</td>
</tr>
<tr>
<td>COMP_SCI 394-0</td>
<td>Agile Software Development</td>
</tr>
<tr>
<td>COMP_SCI 473-1</td>
<td>NUvention: Web - Part 1</td>
</tr>
<tr>
<td>COMP_SCI 473-2</td>
<td>NUvention: Web - Part 2</td>
</tr>
</tbody>
</table>

Students should begin the minor before the end of the first quarter of their junior year.