## Major Requirements

*All classes must be completed with a 2.0 grade or better.*

<table>
<thead>
<tr>
<th>Term Completed/Planned</th>
<th>Grade</th>
<th>Credit</th>
<th>Course #</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>CSC160</td>
<td>Introduction to Computer Science and Communication</td>
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<tr>
<td></td>
<td></td>
<td>4</td>
<td>CSC170</td>
<td>Introduction to Programming</td>
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<td>4</td>
<td>CSC210</td>
<td>Data Structures</td>
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<td>4</td>
<td>CSC240</td>
<td>Introduction to Networking and Communications</td>
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<td>4</td>
<td>CSC320</td>
<td>Algorithms</td>
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<td>4</td>
<td>CSC345</td>
<td>Principles of Computer Organization</td>
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<td>4</td>
<td>CSC385</td>
<td>Formal Logic and Computation Theory</td>
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<td>4</td>
<td>CSC450</td>
<td>Programming Languages and Compilers I</td>
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<td>4</td>
<td>CSC451</td>
<td>Programming Languages and Compilers II</td>
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<td>4</td>
<td>MAT145</td>
<td>Calculus I (NSM)</td>
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<td></td>
<td>4</td>
<td>MAT146</td>
<td>Calculus II (NSM)</td>
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Complete **two (2)** math electives, chosen from:

<table>
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<tr>
<th>Grade</th>
<th>Course #</th>
<th>Title</th>
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<tbody>
<tr>
<td>4</td>
<td>MAT245</td>
<td>Calculus III</td>
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<tr>
<td>4</td>
<td>MAT246</td>
<td>Linear Algebra</td>
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<td>4</td>
<td>MAT271</td>
<td>Discrete Mathematical Structures</td>
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<tr>
<td>4</td>
<td>MAT369</td>
<td>Modeling and Differential Equations in Biological and Natural Sciences</td>
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</table>

Complete **three (3)** electives, including at least two upper division electives, chosen from:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course #</th>
<th>Title</th>
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<tbody>
<tr>
<td>4</td>
<td>CSC250</td>
<td>Game Programming on the Web</td>
</tr>
<tr>
<td>4</td>
<td>CSC272</td>
<td>Unix and C</td>
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<tr>
<td>4</td>
<td>CSC352</td>
<td>Database Management and Design</td>
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<tr>
<td>4</td>
<td>CSC353</td>
<td>Database Architecture and Design</td>
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<td>4</td>
<td>CSC373</td>
<td>Symbolic Programming and Artificial Intelligence</td>
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<td>CSC399</td>
<td>Internship</td>
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<td>CSC431</td>
<td>Introduction to A.I. Robotics</td>
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<td>CSC457</td>
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<td>CSC495</td>
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<td>4</td>
<td>CSC499</td>
<td>Independent Study</td>
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<td>4</td>
<td>MAT355</td>
<td>Numerical Mathematics and Computation</td>
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<td>4</td>
<td>MIS475</td>
<td>Systems Analysis and Design</td>
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<td>4</td>
<td>PHY261</td>
<td>Electronics</td>
</tr>
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</table>

Complete **one (1)** Speaking skill course

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course #</th>
<th>Title</th>
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<tbody>
<tr>
<td>4</td>
<td>COM115</td>
<td>Scientific and Technical Public Speaking (HUM)</td>
</tr>
<tr>
<td>4</td>
<td>COM111</td>
<td>Public Speaking (HUM)</td>
</tr>
<tr>
<td>2</td>
<td>MAT201</td>
<td>Communicating Mathematics</td>
</tr>
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</table>

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities

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Student Signature: ___________________________ Date: _____________
Faculty Adviser Signature: ___________________________ Date: _____________

Student and faculty signature are required for submission with the Intent to Graduate form.