<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR MAKING CONNECTIONS: 3 hrs.</strong></td>
<td></td>
<td><strong>Computer Science (required): 32 hrs.</strong></td>
<td></td>
<td><strong>Electrical Engineering: 4 hrs.</strong></td>
<td></td>
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<tr>
<td>CS 1093: Making Connections CS</td>
<td></td>
<td>CS 2114: Structured Programming</td>
<td></td>
<td>EE 3333: Digital Electronics I and</td>
<td></td>
</tr>
<tr>
<td>UC 1013: Making Connections</td>
<td></td>
<td>CS 2124: OOP &amp; Fundamental Data Structures</td>
<td></td>
<td>EE 3331: Digital Electronics I Lab</td>
<td></td>
</tr>
<tr>
<td><strong>GENERAL EDUCATION REQUIREMENTS: 36 hrs.</strong></td>
<td></td>
<td>CS 3113: Algorithms &amp; Adv Data Structures</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
<td></td>
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<tr>
<td>Communication: 9 hrs.</td>
<td></td>
<td>CS 3123: Programming Languages</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 1003: Composition I</td>
<td></td>
<td>CS 3223: Computer Organization</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 1013: Composition II</td>
<td></td>
<td>CS 3233: Operating Systems</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>COMS 1203: Oral Communication</td>
<td></td>
<td>CS 4113: Software Engineering</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>Mathematics: 4 hrs.</td>
<td></td>
<td>CS 4143: Java and Application Development</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>MATH 2204: Calculus I</td>
<td></td>
<td>CS 4543: Database Systems</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td><strong>Fine Arts and Humanities: 6 hrs.</strong></td>
<td></td>
<td>CS 4713: Analysis of Algorithms</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>Fine Arts (one of next three)</td>
<td></td>
<td><strong>Computer Science (electives): 12 hrs.</strong></td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>ART 2503: Fine Arts - Visual</td>
<td></td>
<td>May include MATH 4533 but not CS 1013 or 1114</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>MUS 2503: Fine Arts - Musical</td>
<td></td>
<td><strong>Mathematics and Statistics: 13 hrs.</strong></td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>THEA 2503: Fine Arts - Theatre</td>
<td></td>
<td>MATH 2183: Discrete Structures</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>Humanities (one of next three)</td>
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<td>MATH 2214: Calculus II</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td>ENG 2003: Intro Literature of Western World I</td>
<td></td>
<td>MATH 3243: Linear Algebra</td>
<td></td>
<td><strong>Electrical Engineering (if applicable): 3 hrs.</strong></td>
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<tr>
<td><strong>Social Sciences: 9 hrs.</strong></td>
<td></td>
<td>STAT 3233: Applied Statistics I</td>
<td></td>
<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>Economics (one of next two)</td>
<td></td>
<td>CHEM 1013: General Chemistry I and</td>
<td></td>
<td>CHEM 1011: General Chemistry I Lab</td>
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<tr>
<td>ECON 2313: Principles of Macroeconomics</td>
<td></td>
<td>PHYS 2044: University Physics II or</td>
<td></td>
<td>PHYS 2083: Fundamental Physics II and</td>
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<tr>
<td>ECON 2333: Economic Issues &amp; Concepts</td>
<td></td>
<td>PHYS 2081: Fundamental Physics II Laboratory</td>
<td></td>
<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>Understanding Global Issues (one of next eight)</td>
<td></td>
<td><strong>English: 3 hrs.</strong></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>ANTH 2233: Intro to Cultural Anthropology</td>
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<td>ENG 3043: Technical Writing</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>GEOG 2613: Intro to Geography</td>
<td></td>
<td><strong>Philosophy: 3 hrs.</strong></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>HIST 1013: World Civilization To 1660</td>
<td></td>
<td>PHIL 3723: Computers, Ethics &amp; Society</td>
<td></td>
<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>HIST 1023: World Civilization Since 1660</td>
<td></td>
<td><strong>FREE ELECTIVES: 6 hrs.</strong></td>
<td></td>
<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>CMAC 1003: Mass Communication in Modern Society</td>
<td></td>
<td>Electives must complete 120 earned hours for the degree.</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>POSC 1003: Introduction to Politics</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>PSY 2013: Introduction to Psychology</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td>SOC 2213: Introduction to Sociology</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>U. S. History or Government (one of next three)</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>HIST 2763: The United States To 1876</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td>HIST 2773: The United States Since 1876</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td>POSC 2103: Intro to U. S. Government</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>Life Sciences (one of next four and BIOL 1001)</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>BIOL 1003: Biological Science</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>BIOL 1033: Biology of Sex</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>BIOL 1043: Plants and People</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>BIOL 1063: People and the Environment</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>BIOL 1001: Biological Science Laboratory</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td>Physical Sciences (one of next two)</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<tr>
<td>PHYS 2034: University Physics I</td>
<td></td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td>PHYS 2073: Fundamental Physics I and</td>
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<td><strong>Science: 8 hrs.</strong></td>
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<td>PHYS 2071: Fundamental Physics I Laboratory</td>
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<td></td>
<td></td>
<td><strong>Science: 8 hrs.</strong></td>
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</tr>
</tbody>
</table>

Note: Substitutions to major requirements must be accompanied by student petition approved by CS Curriculum Committee.
Graduation Check List

English proficiency
(C or better in ENG 1003 & 1013)

2.00 average overall

2.00 average in major

2.00 average at A-State

120 hours for degree

18 of last 24 hours on A-State campus

24 CS hours on A-State campus

32 resident hours

45 Jr/Sr hours after 30 hours

Minimum 57 hours from 4-year institutions

Maximum 31 hours
corr/ext/exam/CLEP/MS/USAFI
(maximum 30 hours by exam/CLEP)

The above named student has met all requirements for graduation providing he/she satisfactorily completes the courses of current enrollment. If correspondence or transfer credit, official transcript must be filed with registrar at least three weeks prior to graduation.

Adviser

Date

Chair of Computer Science

Date

Dean of Engineering and Computer Science

Date