### Liberal Studies Requirements (45-46 credits)
See Liberal Studies Guide for Goal and Enrichment choices

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Cr</th>
<th>Gr</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Critical Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL 104 or ENGL 220</td>
<td>Critical Reading * or Intro to Literary and Cultural Studies*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COMM 200</td>
<td>Public Speaking*</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Basic Requirements (9 credits)

#### The Arts (3 credits)

- Goal | 3 |

#### Global Community (9 credits)

- Goal – Non-US | 3 |
- Goal – US | 3 |

#### Human Institutions/Interpersonal Relationships (3 credits)

- Goal | 3 |

### Science, Technology & Math (9-10 credits)

#### Recommended Courses

- CHEM 107 | General Chemistry I | 3 |
- CHEM 111 | General Chemistry I Lab | 1 |
- PHYS 211 | General Physics I/Lab | 4 |
- PHIL 113 | Introduction to Logic | 3 |

### Challenges of the Modern Age (3 credits)

- Goal | 3 |

#### Enrichment Course Requirements

Choose one course from three of the following Enrichment areas.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 201</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

### Other Basic Requirements

Check with your advisor or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit-hour minimum needed to earn a degree.

- ACSD 110 | Beginning Algebra | 3 |

### Computer Competency

Students must demonstrate “computer competency” by:

- Passed Exam | Pass Computer Competency Exam |
- CPSC | Complete one of the following courses: CPSC 100, 110, 130, or PE 202 at SRU or another post-secondary institution | 1-3 |

### Major Requirements (60 credits)

- 30 major credits must be taken at SRU or PASSHE |
- 30 major credits must be taken at the 300 level or above |
- 12 math credits must be taken at the 300-400 level at SRU |

#### Mathematics Core Courses (30 credits) – Minimum grade of “C” required in MATH 131, 230, and 235 prior to 300 – 400 level courses

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MATH 131*</td>
<td>Discrete Math</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 230*</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 235*</td>
<td>Modern Concepts of Mathematics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 231*</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 301*</td>
<td>Differential Equations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 309*</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 313*</td>
<td>Introductory Analysis I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 326*</td>
<td>Abstract Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 352*</td>
<td>Mathematical Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 491*</td>
<td>Mathematics Seminar</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### Required Electives (15 credits) – Five additional courses required at most one of 200 level, other 300 level or above (except MATH 210, 225, 310, 350)

- MATH or STAT | 3 |
- MATH or STAT | 3 |
- MATH or STAT | 3 |
- MATH or STAT | 3 |
- MATH or STAT | 3 |

### Mathematics Sequences – TWO sequences required: Choose at least one from MATH 313 – 314 or MATH 325 – 326. Credits earned from these courses will be applied to above requirements.

- MATH 301-302 | Differential Equations I & II | X |
- MATH 313-314 | Introductory Analysis I & II | X |
- MATH 325-326 | Abstract Algebra I & II | X |
- STAT 352-353 | Mathematics Statistics I & II | X |

### Approved Minors: Choose at least ONE of the following minors.

- Actuarial Science |
- Biology |
- Chemistry |
- Computer Science |
- Environmental Science |
- Geology |
- Geophysics |
- Meteorology |
- Philosophy |
- Physics |
- Psychology |
- Public Health |
- Secondary School Mathematics |
- Statistics |

### Natural Science and Math College-Wide Requirements

Students must take the following four courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHEM 107</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>General Chemistry I Lab</td>
</tr>
<tr>
<td>MATH 225</td>
<td>Calculus I</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>General Physics I/Lab</td>
</tr>
</tbody>
</table>

### Competency in an Approved Computer Programming Language is Required – Seek Advisor Approval

- CPSC |

### Electives

- GPA Requirement: 2.00 or higher Major GPA |
- GPA Requirement: 2.00 or higher Overall GPA |