## Bachelor of Science in Cybersecurity Concentration in Security Governance

### ROCK STUDIES REQUIREMENTS (39-41 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXEMPT</td>
<td>Foundations of Academic Discovery</td>
<td>0</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Critical Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Critical Reading</td>
<td>3</td>
</tr>
<tr>
<td>✓ MATH 125 or MATH 225</td>
<td>Pre-Calculus  Calculus I</td>
<td>3-4</td>
</tr>
<tr>
<td>✓ COMM 200</td>
<td>Civil Discourse</td>
<td>3</td>
</tr>
</tbody>
</table>

### INTEGRATED INQUIRY (15-16 credits)

- Creative and Aesthetic Inquiry (3 credits)
- Humanities Inquiry (3 credits)
- Social Science Inquiry (3 credits)
- Natural Science Inquiry (3-4 credits)
  - Natural Science Elective with Lab
- Physical Science Inquiry (3 credits)
  - SCI 102 Understanding the Physical World |

### THEMATIC THREAD – Additional Transfer Credits (12 credits)

- ✓ ENGL 101-College Writing
- ✓ BUSN 123-Principles of Management
- ✓ ECON 101 or 102 or BUSN 244
- ✓ HLTH 120-Health Science SRU prefers this instead of PHED 125

### COMPUTER COMPETENCY (3 credits)

Students must demonstrate “computer competency” by:

- CPSC 242

### OTHER BASIC REQUIREMENTS

- EXEMPT
- Beginning Algebra

### 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ CPSC 130*</td>
<td>Intro to Computing and Programming</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 146*</td>
<td>Programming Principles</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 207*</td>
<td>Shell Commands and Scripting</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 300*</td>
<td>Challenges of Computer Tech</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 301*</td>
<td>Practical Computer Security</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 311*</td>
<td>Discrete Computational Structures</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 323*</td>
<td>Fundamentals of Database Sys.</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 327*</td>
<td>Administration and Security</td>
<td>3</td>
</tr>
<tr>
<td>✓ CPSC 423*</td>
<td>Computer Networks</td>
<td>3</td>
</tr>
<tr>
<td>CYBR 101*</td>
<td>Cybersecurity in the Era of Evolving Tech.</td>
<td>3</td>
</tr>
</tbody>
</table>

### FREE ELECTIVES (16-18 credits)

- ✓ MIS 353
- ✓ CPSC elective
- ✓ CPSC elective
- ✓ CPSC elective
- ✓ CPSC elective

### OTHER ECONOMICS ELECTIVES

**FREE ELECTIVES (16-18 credits)**

- ✓ MIS 353
- ✓ CPSC elective
- ✓ CPSC elective
- ✓ CPSC elective

### GPA REQUIREMENT

- 2.0 or higher Major GPA
- 2.0 or higher Overall GPA

### Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes, (Learning Community, Cap-Stone Course, Semester Projects)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)
6. Industry Awareness Night

---

**BC-3SRU COMP INFO SYS-NETWORKING & SECURITY (A.A.S.) to CYBERSECURITY-SECURITY GOVERNANCE (B.S.)**

<table>
<thead>
<tr>
<th>Curriculum Category</th>
<th>Credits Transferred</th>
<th>Credits Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rock Studies</td>
<td>21-23</td>
<td>18</td>
</tr>
<tr>
<td>Computer Competency</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Major Requirements</td>
<td>21</td>
<td>39</td>
</tr>
<tr>
<td>Free Electives</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>65-67</td>
<td>57</td>
</tr>
</tbody>
</table>

---

**CYBERSECURITY (6421)**

Concentration in Secure Software Development (SSDE)

Effective Summer 2022

Revised 06/2022

---

PASSHE = Pennsylvania State System of Higher Education Institution

---

* Course may have a prerequisite. See Undergraduate Online Catalog.

*^ Course counts for 50% of Major requirements and Major GPA

PASSHE = Pennsylvania State System of Higher Education Institution

---

**Revised 06/2022**