

# CYBERSECURITY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN SECURITY GOVERNANCE

## Recommended Four-Year Plan

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
CPSC 130	Introduction to Computing and Programming	3
CYBR 101	Cybersecurity in the Era of Evolving Technology	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 120 or SCI 101	Intermediate Algebra or Science of Life	3
SUBJ 139	Foundations of Academic Discovery <sup>1</sup>	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
CPSC 102	Collaborative Information Technology and Society	3
CPSC 146	Programming Principles	3
ENGL 104	Critical Reading	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
<b>Hours</b>		<b>16</b>
<b>Second Year</b>		
<b>Fall</b>		
CPSC 207	Shell Commands and Scripting	3
CPSC 246 or CPSC 217	Advanced Programming Principles or Advanced Web Programming	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
Social Science Inquiry ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
Declare a Thematic Thread <sup>2</sup>		
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CPSC 323	Fundamentals of Database Systems	3
CPSC 301	Practical Computer Security	3
SCI 102	Understanding the Physical World	3

CSS 120	Introduction to Private Security	3
Humanities Inquiry ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
<b>Hours</b>		<b>15</b>
<b>Third Year</b>		
<b>Fall</b>		
CPSC 237	Mobile App Development for Smart Devices	3
CPSC 300	Challenges of Computer Technology	3
CSS 240	Security Management	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
Cyber Elective or Free Elective (p. 1)		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CPSC 327	Administration and Security	3
CPSC 311	Discrete Computational Structures	3
CPSC 333	Introduction to Computer Forensics	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
Cyber Elective or Free Elective (p. 1)		3
<b>Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Fall</b>		
CPSC 423	Computer Networks	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
Cyber Elective or Free Elective (p. 1)		3
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Cyber Elective or Free Elective (p. 1)		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MIS 401	Information Systems Security	3
MIS 443	Project Management	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
Cyber Elective or Free Elective (p. 1)		4
<b>Hours</b>		<b>13</b>
<b>Total Hours**</b>		<b>120</b>

<sup>1</sup> Course offered in multiple subjects; cannot take course in first major subject

<sup>2</sup> Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

\* Students are encouraged to take ESAP 101 as a Free Elective.

## Cyber Elective - CE Courses

Code	Title	Hours
CSS 320	Security Risk and Emergency Management	3
CSS 351	Fraud	3
CSS 354	Risk Assessment and Fraud Prevention	3
CPSC 450	Internship <sup>1</sup>	1-12

<sup>1</sup> Jr. or Sr. Computing major with 3.0 GPA. Application required

*\*\* This document is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.*

Major Code: 6421

Concentration Code: SEGV

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