

# CYBERSECURITY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN SECURITY GOVERNANCE/ADVANCED PILOTING (CCBC)

## Curriculum Guide

### GPA Requirement

Overall GPA: 2.0 or higher

### Summary\*

Code	Title	Hours
Rock Studies 2 Requirements (taken at CCBC)		33
Rock Studies 2 Requirements (taken at SRU)		12
Advanced Piloting Requirements (taken at CCBC)		29
Major/Concentration Requirements (taken at SRU)		60

\* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

### Rock Studies 2 Requirements

Code	Title	Hours
<b>The Rock</b>		
SUBJ 139	Foundations of Academic Discovery <sup>1</sup>	3
WRIT 101	English Composition (taken at CCBC)	3
LITR 210	Concepts of Literature (taken at CCBC)	3
COMM 201	Public Speaking (taken at CCBC)	3
Select one of the following:		4
MATH102	Precalculus (taken at CCBC)	
MATH 125	Calculus I (taken at CCBC)	
Subtotal		16

### Integrated Inquiry

#### Creative and Aesthetic Inquiry

Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
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#### Humanities Inquiry

Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
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#### Social Science Inquiry (taken at CCBC)

AVIP 260	Human Factors Theory (taken at CCBC)	3
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#### Natural Sciences Inquiry

SCI 101	Science of Life	3
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#### Physical Sciences Inquiry (taken at CCBC)

METR 140	Foundations in Meteorology (taken at CCBC)	4
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Subtotal		16
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### Additional Rock Studies Requirements (taken at CCBC)

Select the following 13 Credits		13
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AVIP 120	Foundations and Development of Aviation (taken at CCBC)
AVIP 180	Instrument Flight Theory (taken at CCBC)
AVIP 270	Aerodynamics of Flight (taken at CCBC)
<b>Total Hours</b>	<b>45</b>

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

### DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

### Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
<i>Required Major Courses</i>		
CPSC 130	Introduction to Computing and Programming <sup>1</sup>	3
CPSC 146	Programming Principles <sup>1</sup>	3
CPSC 207	Shell Commands and Scripting <sup>1</sup>	3
CPSC 300	Challenges of Computer Technology <sup>1</sup>	3
CPSC 301	Practical Computer Security	3
CPSC 311	Discrete Computational Structures <sup>1</sup>	3
CPSC 323	Fundamentals of Database Systems <sup>1</sup>	3
CPSC 327	Administration and Security	3
CPSC 423	Computer Networks <sup>1</sup>	3
CYBR 101	Cybersecurity in the Era of Evolving Technology	3
Subtotal		30
<i>Security Governance Required Courses</i>		
CPSC 102	Collaborative Information Technology and Society	3
CPSC 217	Advanced Web Programming <sup>1</sup>	3
or CPSC 246	Object-Oriented Programming	
CPSC 237	Mobile App Development for Smart Devices <sup>1</sup>	3
CPSC 333	Introduction to Computer Forensics	3
CPSC 468	Software Engineering and Project Management	3
CSS 120	Introduction to Private Security	3
CSS 240	Security Management	3
MIS 401	Information Systems Security	3
Subtotal		24
<i>Security Governance Electives</i>		
Select two courses in sequence from one of the following areas:		6
CPSC 236	Selected Computer Languages	
CPSC 450	Internship	
CSS 310	Organizational Continuity and Resilience	
CSS 351	Fraud	
CSS 354	Risk Assessment and Fraud Prevention	

Subtotal	6
<b>Total Hours</b>	<b>60</b>

<sup>1</sup> Course counts for 50% of Major requirements and Major GPA

\* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Code	Title	Hours
<b>Required Coursework Completed at CCBC:</b>		
AVIP 190	Instrument Flight Rating	2
AVIP 202	Aircraft Engines Theory	3
AVIP 204	Aircraft Systems Theory	3
AVIP 215	Commercial Flight Theory	5
AVIP 220	Commercial Flight Certification I	3
AVIP 225	Commercial Flight Certification II	3
AVIP 250	Multi-Engine Flight Rating	1
AVIP 275	Certified Flight Instructor Theory	2
CIST 100	Intro to Information Technology	3
Select two of the following:		4
AVIP 280	Certified Flight Instructor - Airplane	
AVIP 285	Certified Flight Instructor - Instruments	
AVIP 288	Certified Flight Instructor - Multi-Engine	
<b>Total Hours</b>		<b>29</b>

## Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CYBERSECURITY - SECURITY GOVERNANCE CONCENTRATION - BS  
(6421/SEGV)

ADVANCED PILOTING WITH CCBC (ADVP) /CIM 581

This program is effective as of Spring 2026

Revised 01.05.2026

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