

CYBERSECURITY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN SECURITY GOVERNANCE/PROFESSIONAL PILOT (CCBC)

Curriculum Guide

GPA Requirement

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements (taken at CCBC)	30
	Rock Studies 2 Requirements (taken at SRU)	15
	Professional Pilot Requirements (taken at CCBC)	35
	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
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
WRIT 101	English Composition (taken at CCBC)	3
LITR 210	Concepts of Literature (taken at CCBC)	3
	Select one of the following:	3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
	Select one of the following:	4
MATH 102	Precalculus (taken at CCBC)	
MATH 125	Calculus I (taken at CCBC)	
	Subtotal	16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
	Select 3 Credits (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)	3
<i>Humanities Inquiry</i>		
	Select 3 Credits (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry (taken at CCBC)</i>		
AVIP 260	Human Factors Theory (taken at CCBC)	3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry (taken at CCBC)</i>		
METR 140	Foundations in Meteorology (taken at CCBC)	4
	Subtotal	16

Additional Rock Studies Requirements (taken at CCBC)

Select the following 13 Credits		13
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)	
	Total Hours	45

¹ 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 ¹	3
CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 301	Practical Computer Security	3
CPSC 311	Discrete Computational Structures ¹	3
CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 327	Administration and Security	3
CPSC 423	Computer Networks ¹	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 ¹	3
	or CPSC 246 Object-Oriented Programming	
CPSC 237	Mobile App Development for Smart Devices ¹	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
Total Hours		60

¹ 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
Professional Pilot Required Coursework Completed at CCBC:		
AVIP 160	Private Pilot Flight Theory	7
AVIP 170	Private Pilot Flight Certification	3
AVIP 190	Instrument Flight Rating	2
AVIP 205	Aircraft Engines & Systems	4
AVIP 215	Commercial Flight Theory	5
AVIP 220	Commercial Flight Certification I	3
AVIP 225	Commercial Flight Certification II	3
AVIP 275	Certified Flight Instructor Theory	2
CIST 100	Introduction to Information Technology	3
Select two of the following:		3-4
AVIP 250	Multi-Engine Rating	
AVIP 280	Certified Flight Instructor-Airplane	
AVIP 285	Certified Flight Instructor - Instructions	
Total Hours		35-36

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 595

This program is effective as of Spring 2026

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