

Cyber Security (CYB)

Associate of Applied Science



Is Cyber Security Right For You?

Why a Cyber Security Degree?

- Are you interested in working on the cutting edge of modern security?
- Are you willing to challenge yourself and work to secure the cyber security of private, non-profit, healthcare, education, and government organizations?
- Does securing networks, computer infrastructure, and information systems - working anywhere in the world interest you?
- Do you want to work in a growing career field with good paying opportunities from entry to senior management?

The Cyber Security program will allow students to gain knowledge of cyber security threats, as well as procedures to mitigate computer and network security risks.

ENROLL TODAY!

Future Career Prospects

A two-year Associate of Applied Science (AAS) in Cyber Security will allow students to pursue careers as a:

- Cyber Security Analysts
- Cyber Security Design Engineers
- Information Security Analysts
- Information Security Officer
- Network Security Specialist
- IT Security Consultant

Program Specifics

An Associate of Applied Science (AAS) in Cyber Security degree from Pikes Peak State College will prepare in rewarding careers across a wide spectrum of organizations and locales - ranging from public, private, and non-profit. With their degree and continuing education, students can be paid to work as "ethical hackers" in a wide range of career fields.

After successfully completing this program, students will be able to demonstrate knowledge of:

- Network and System Security
- Computer Systems Architecture
- Computer Programming
- Network Operating Systems
- Networking Defense and Countermeasures
- Network Administration

Associate of Applied Science (AAS) Cyber Security

Semester 1 Course & Credit Hours	Semester 2 Course & Credit Hours
CIS 1005 Computer Literacy (3) or CIS 1018 Intro to PC Applications (3)	CIS 2023 Linux (3)
CIS 1024 Intro to Operating Systems (3)	CNG 1002 Local Area Networks (3)
CNG 2060 Certified Cisco Network Associate I (5)	CNG 1032 Network Security Fundamentals (3)
CSC 1019 Intro to Programming (Python) (3)	CNG 2061 CISCO Network Associate II (5)
	ENG 1031 Technical Writing I (3)
Total 14 Credit Hours	Total 17 Credit Hours

Semester 3 Course & Credit Hours	Semester 4 Course & Credit Hours
CNG 2057 Network and Defense and Countermeasures (3)	CSC 2017 Advanced Python Programming (3)
CNG 2070 CCNA Security (5)	CNG 2080 Internship (3)
CSC 1029 Introduction to Secure Coding (3)	SOC 2018 Sociology of Diversity: SS3 (3)
MAT 1340 College Algebra MA1 (4)	Approved Cyber Security Elective (3)
	COM 1150 Public Speaking or COM 1250 Interpersonal Communication (3)
Total 15 Credit Hours	Total 15 Credit Hours

Talk to a program advisor today:

CYB Dept Chair

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