Cyber Security (CYB)

Associate of Applied Science

PIKES PEAK
STATE COLLEGE

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.

Visit **PikesPeak.edu/cyber** for more information

Sign up today!

Future Career Prospects

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

- Cyber Security Analyst
- Cyber Security Design Engineer
- Information Security Analyst
- 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
CSC 1005 Computer Literacy (3) **or** **CIS 1018** Intro to PC Applications (3)	**CNG 1032** Network Security Fundamentals (3)
CNG 1020 A+ Certification Preparation (4)	**CNG 1042** Intro to Cloud Computing (3)
CNG 1024 Networking I (3)	**CNG 1031** Principles of Info Assurance (3)
MAT 1340 College Algebra MA1 (4)	**CSC 1019** Intro to Programming (3) **or** **DAT 1001** Intro to Data Science (3)
	CIS 2023 Linux (3)
Total 14 Credit Hours	**Total 15 Credit Hours**

Semester 3 Course & Credit Hours	Semester 4 Course & Credit Hours
CNG 2042 Cloud Computing (3)	**CNG 2056** Vulnerability Assessment I (3)
CNG 2057 Network and Defense and Counter measures (3)	**CNG 2059** Enterprise Security (4)
ENG 1031 Technical Writing I (3)	**CNG 2080** Internship (3)
CSC, CNG, or CIS 2040/2043 Elective (3)	**COM 1150** Public Speaking **or** **COM 1250** Interpersonal Communication (3)
SOC 2018 Sociology of Diversity: SS3 (3)	**CSC, CNG, or CIS 2040/2043** Elective (3)
Total 15 Credit Hours	**Total 16 Credit Hours**

Talk to a program advisor today:

Cyber Security Department Chair

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