Cybersecurity

Join an in-demand field today!

ACC
ARAPAHOE COMMUNITY COLLEGE

CSU SYSTEM
STURM COLLABORATION CAMPUS

WHY CHOOSE ACC'S CYBERSECURITY PROGRAM?

Our AAS degree will help you become a qualified professional with expertise in:

- IT Security
- Risk Management
- Digital Forensics
- Security Architecture
- Information Assurance

EMPLOYMENT*

- **Security Analysts are projected to grow 31%** from 2019 to 2029.
- **In the Denver metro area, 843 openings** were posted per month for Information Security Analysts; only 73 positions filled.

Data Source: U.S. Bureau of Labor Statistics and Economic Modeling Specialists International

TRANSFER OPTIONS

Through ACC's **partnership with CSU Pueblo**, you can earn both your Associate of Applied Science (AAS) degree and your **BS in Computer Information Systems (Cybersecurity Emphasis)** at the Sturm Collaboration Campus in Castle Rock! As an ACC student, you can begin CSU Pueblo courses as early as your second semester in the Cybersecurity AAS program!

Successful completion of the program will prepare you for industry certifications:

- CompTIA Linux+
- CompTIA Network+
- CompTIA Security+
- CompTIA CySA+
- ISC2 SSCP

Code and construct your way to Moving Mountains

For more information or accommodations:
Wendy Muench, Department Chair
Sarah Homer, Sturm Campus Navigator
sarah.homer@arapahoe.edu or scan:

Program and Cyber Center information: arapahoe.edu/cybersecurity | arapahoe.edu/cyber

ACC/CSU Pueblo Cybersecurity Transfer Pathway - Dual Enrollment Academic Plan
ACC courses are in black & CSUP courses are in blue/Catalog Year 2023-2024

Year 1: Fall	
BUS 1021 Basic Workplace Skills	1
CNG 1024 Networking I: Network+ (mandatory)	3
CSC 1019 Intro to Programming: Python (mandatory)	3
ENG 1021 English Composition I*	3
MAT 1340 College Algebra	4
(MAT 0341 College Algebra Support Lab, if needed)	
Semester Credits	14

Year 3: Fall	
ENG 1022 English Composition II	3
Science Course with lab	4
BUSAD 360 Advanced Business Statistics	3
CIS 460 Cybersecurity and Defense	3
CIS 350 Data Base Systems	3
Semester Credits	16

Year 1: Spring	
BUS 2017 Business Comm & Report Writing*	3
CNG 1025 Networking II: Network + (pre-req CNG 1024)	3
CNG 1032 Network Security Fundamentals (mandatory)	3
CSC 1060 Computer Science I: Java (NOT C++)	4
CIS 315 Unix Operating System (Spring only) (pre-req. CSC 1019)	3
Semester Credits	16

Year 3: Spring	
COM 1150 Public Speaking	3
History	3
MATH 220 Business Math	4
MGT 201 Principles of Management	3
ECON 201 Principles of Macroeconomics	3
Semester Credits	16

Year 2: Fall	
BUS 2026 Business Statistics*	3
CNG 1042 Intro to Cloud Computing (Fall only)	3
CNG 2002 Unix/Linux Server Admin (pre-req. CIS 315 through CSU Pueblo)	3
CNG 2056 Vulnerability Assessment (Fall only) (pre-req CNG 1032)	3
CIS 401 Network Systems Administration (Fall only) (pre-req CNG 1024)	3
Semester Credits	15

Year 4: Fall	
Science Course with Lab	4
CIS Open Elective Upper Division (CIS 359 Advanced Programming with C#)	3
Humanities	3
MGMT 368 Project Management	3
CIS 311 Intro to Web Development	3
Semester Credits	16

Year 2: Spring	
CIS 2087 Cooperative Education*	3
CNG 2043 Cloud Security and Cyber Law** (Spring only) (pre-reqs CNG 1042 or CNG 1032)	3
CNG 2059 Enterprise Security (Spring only) (pre-req or co-req CNG 2056)	4
CIS 461 The Mgmt of IT Security Risk (Spring only)	3
CIS 462 Computer Forensics (Spring only)	3
Semester Credits	16
49 ACC Credits/12 CSUP Credits TOTAL	61

Year 4: Spring	
ECON 202 Principles of Microeconomics	3
CIS 432 Senior Professional Project	6
CIS 493 Career Seminar	1
CIS Open Elective Upper Division (411 recommended)	3
Arts/Humanities	3
Semester Credits	16
47 CSUP Credits/17 ACC Credits TOTAL	64

* Course can be taken in summer semester
** CNG 2043 (3 credits) does not transfer; class is required for
    AAS Cybersecurity degree; 46 credits from AAS transfer to CSUP

TOTAL Credits to earn bachelor's degree = 122 Credits
(63 ACC Credits + 59 CSUP Credits)