# Partners in Education

## Associate of Applied Science (AAS) – Computer Network Technology - Network Security

The Computer Network Technology program prepares individuals for jobs in the computer networking field. Students in this program gain hands-on experience with computer hardware, software and networks. Upon successful completion of the program, the student will have the needed background to prepare to take one or more of the following exams: Network+; Security+; Microsoft Certified Information Technology Professional (MCITP); Microsoft Certified Technology Specialist (MCTS); CWNA; Security +; or CISCO CCNA.

*Courses offered toward degree at Castle View High School*
*Highlighted courses also have an Advanced Placement (AP) option with a passing AP exam score*

| Courses | Credit Hours |
|---|---|
| **Written Communication:** ENG 121 – English Composition I | 3 |
| **Oral Communication:** COM 115 – Public Speaking | 3 |
| **Mathematics:** MAT 121 – College Algebra | 4 |
| **Major Courses:** CIS 118 – Intro to PC Applications | 3 |
| CNG 124 – Network I: Network + | 3 |
| CNG 125 – Network II: Network + | 3 |
| **Network Security Electives:** CNG 142 - Introduction to Cloud Computing Concepts | 3 |
| CSC 119 – Introduction to Programming | 3 |
| **Total Credit Hours at High School** | **25** |

*Remaining Courses Offered Toward Degree at Arapahoe Community College*

| Courses | Credit Hours |
|---|---|
| **Business Course:** BUS 217 – Business Communication | 3 |
| **Computer Network Courses:** CIS 202 - Automated Project Management: MS Project | 3 |
| CIS 287 – Cooperative Education (Internship) | 3 |
| CNG 121 - Computer Technician I: A+ | 4 |
| CNG 132 - Network Security Fundamentals | 3 |
| CNG 212 - Configuring Windows Server | 4 |
| CNG 224 - Microsoft Windows Wireless Network | 3 |
| **Network Security Concentration:** CIS 220 - Fundamentals of Unix | 3 |
| CNG 243 - Cloud Security and Cyber Law | 3 |
| CNG 253 - Firewalls and How They Work (CNG 132 pre-req) | 3 |
| **Choose 1 Elective Courses:** CNG 256 – Vulnerability Assessment I CNG 257 - Network Defense and Counter Measures CNG 258 - Digital Forensics CNG 259 - Enterprise Security | 3 |
| **Total Credit Hours at Arapahoe Community College** | **35** |
| **Total Credit Hours for AAS Degree** | **60** |

**Disclaimer: This academic plan provides guidance and is tentative and subject to change, based on concurrent enrollment classes offered at the high schools and on ACC programs offered in any given academic year. 09/2021**