

1. The AAS degree provides career skills to enable students to enter the job market after graduation, retrain in a new career, or upgrade employment skills. Occupational courses are designed to meet these needs instead of transferring to four-year institutions; however, many four-year institutions accept some of these courses. Check with your college of transfer intent for more info.
2. Certificate programs offered in the occupational area are generally shorter in length. Students may wish to complete a Certificate first, and apply those same courses to the requirements for the AAS degree.
3. You must apply for graduation on the website or at Enrollment Services prior to your final semester.

This degree program prepares students with the general entry level skills and knowledge requisite to establish and monitor local area networks and offers a brief introduction to wide area networks. The CCA Networking emphasis program provides students with a tier one skill-set sought by employers hiring network engineer technicians. The program is intended to provide an overall or broad exposure to networks without concentrating on any specific proprietary certification.

General Education Requirements – 15 credits

| | | |
|--|---|----------------|
| | ACC 121 Principles of Accounting I | 4 cr. |
| | CIS 118 Introduction to PC Applications | 3 cr. 1 cr. |
| | CIS 161 Presentation Graphics I | |
| | BUS 217 Business Communication and Report Writing | 3 cr. |
| | MAT 121 College Algebra | 4 cr. |

For Further Information:

**Contact: Constance Seiden, Coordinator,
Programming
(303) 340-7232
Constance.Seiden@ccaaurora.edu**

Degree Requirements – 12 credits

| | | |
|--|---------------------------------------|-------|
| | CIS 128 Windows Complete | 3 cr. |
| | CIS 268 Systems Analysis and Design I | 3 cr. |
| | CNG 101 Introduction to Networking | 3 cr. |
| | CSC 116 Logic & Program Design | 3 cr. |

Emphasis Requirements–12 credits

| | | |
|--|---------------------------------------|-------|
| | CIS 220 Fundamentals of Unix | 3 cr. |
| | CNG 130 PC Technology | 3 cr. |
| | CNG 131 Network Security Fundamentals | 3 cr. |
| | CNG 160 Telecommunications | 3 cr. |

Emphasis Electives–Choose a minimum of 21 credits

| | | |
|--|--|-------|
| | ACC 122 Principles of Accounting II | 4 cr. |
| | CIS 124 Introduction to Operating Systems | 3 cr. |
| | CIS 129 Advanced Windows | 3 cr. |
| | CIS 222 Unix (Linux) System Administrator | 3 cr. |
| | CIS 232 Unix Shell Programming | 3 cr. |
| | CNG 132 Principles of Information Security | 3 cr. |
| | CIS 263 PC Help Desk Skills | 3 cr. |

_____ **Total General Ed. Requirements – 15 credits**

_____ **Total Degree Requirements – 12 credits**

_____ **Total Emphasis Requirements – 12 credits**

_____ **Total Electives – 21 credits**

_____ **Total Required – 60 credits**

**COMPUTER INFORMATION SYSTEMS DEGREE,
NETWORKING EMPHASIS, TOTAL CREDITS 60 cr.**