

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	
	CIS 110 Introduction to the PC	
	CIS 115 Intro to Computer Info Systems	
	BUS 217 Business Communication and Report Writing	
	MAT 121 College Algebra	

Degree Requirements—12 credits

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

Emphasis Requirements—12 credits

	CIS 220 Fundamentals of Unix	
	CNG 130 PC Technology (Basic Hardware)	
	CNG 131 Network Security Fundamentals	
	CNG 160 Intro to Telecommunications	

Emphasis Electives—Choose a minimum of 21 credits

	ACC 122 Principles of Accounting II	4 cr.
	CIS 124 Intro to Operating Systems (DOS & Windows)	3 cr.
	CIS 129 Advanced Windows (Power Users)	3 cr.
	CIS 222 Unix (Linux) System Administrator	3 cr.
	CIS 232 Advanced Unix: Unix Shell Programming	3 cr.
	CNG 132 Principles of Information Security	3 cr.
	CNG 260 CISCO Network Associate I	5 cr.

Recommended Progression - 1st semester

	CIS128 PC Windows Complete	3 cr.
	ACC 121 Principles of Accounting I	3 cr.
	BUS 217 Business Communication and Report Writing	3 cr.
	CNG 130 Basic Hardware (PC Technology)	3 cr.

Recommended Progression - 2nd semester:

	CIS 118 Intro to PC Applications	3 cr.
	CIS 161 Presentation Graphics I	1 cr.
	MAT 121 College Algebra	4 cr.
	CIS 110 Introduction to the PC	3 cr.
	CIS 115 Intro to Computer Info Systems	1 cr.

Recommended Progression - 3rd semester:

	CIS 220 Fundamentals of Unix	3 cr.
	CSC 116 Logic & Program Design	3 cr.
	CNG101 Introduction to Networking	3 cr.
	CNG 131 Network Security Fundamentals	3 cr.
	CNG 160 Telecommunications	3 cr.

Recommended Progression - 4th semester:

	CIS 268 Systems Analysis and Design I	3 cr.
	Elective	
	Elective	
	Elective	
	Elective	

Recommended Progression - 5th semester:

	Elective	3 cr.
	Elective	
	Elective	

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