

**General Information:**

1. Degree Policies and Procedures are available in the Catalog online at [www.CCAurora.edu](http://www.CCAurora.edu).
2. If you plan on transferring to another institution, contact an advisor before registering.
3. You must apply for graduation by mid-semester prior to your final term. See Semester of Classes for the exact deadline date.

This degree program prepares students with the general entry level skills and knowledge requisite to establish and monitor local area networks and offer 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 110 Introduction to the PC	1 cr.
	CIS 115 Intro to Computer Info Systems	3 cr.
	BUS 217 Business Communication and Report Writing	3 cr.
	MAT 121 College Algebra	4 cr.

**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 (Basic Hardware)	3 cr.
	CNG 131 Network Security Fundamentals	3 cr.
	CNG 160 Intro to Telecommunications	3 cr.

**Emphasis Electives – (21 credits)**

Choose a minimum of 21 credit hours:

	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.

**COMPUTER INFORMATION SYSTEMS DEGREE, NETWORKING EMPHASIS  
TOTAL CREDITS**

**60**

**Recommended Progression - 1<sup>st</sup> 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 - 2<sup>nd</sup> 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 - 3<sup>rd</sup> 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 - 4<sup>th</sup> semester**

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

**Recommended Progression - 5<sup>th</sup> semester**

	Elective	3 cr.
	Elective	
	Elective	

Computer Department			
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Last updated: October 11, 2006