



C U Y A M A C A
· C O L L E G E ·

Addendum to the 2013-2014 Catalog

Additions to the Catalog:

NETWORKING, SECURITY AND SYSTEM ADMINISTRATION

This degree program prepares students for careers in computer networking or system administration and related fields. Upon completion, students may find entry level positions as computer support technicians, junior network administrators, junior system administrators, hardware technicians, data/voice/video cabling technicians, network project managers, designers/ estimators or technical support personnel. The major prepares students to work as team members in an information technology group which designs, evaluates, tests, installs and maintains corporate networks. Preparation for the following industry certifications: A+, Network+, Security+, Linux+, Microsoft Certified Technician (MCT) in Windows and Windows Server (active directory, network infrastructure and applications infrastructure), Linux Profession Institute Certification Level 2, Certified Wireless Network Administrator (CWNA) and/or CCNA (Cisco Certified Network Associate).

Associate in Science Degree Requirements:

Core Curriculum:

Course	Title	Units
CIS 120	Computer Maintenance and A+ Certification	3
CIS 121	Network Cabling Systems	3
CIS 125	Network+ Certification	3
CIS 161	Fundamentals of Telecommunications	3
CS 119	Program Design and Development	3
CS 119L	Program Design and Development Lab	1
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Areas of Emphasis:

A. Enterprise Networking

CIS 190	Windows Operating System	3
or		
CIS 191	Linux Operating System	3
CIS 201	Cisco Networking Academy I	3
CIS 202	Cisco Networking Academy II	3

CIS 203	Cisco Networking Academy III	3
CIS 204	Cisco Networking Academy IV	3
CIS 209	Cisco Networking Academy IX	3
or		
CIS 263	Fundamentals of Network Security	3
CIS 261	Convergent/Unified Technologies and Degree Capstone	3
CIS 262	Wireless Networking	3
		<u>24</u>
Total Required Including Core Classes Plus General Education Requirement		40

B. Enterprise System Administration

CIS 140	Databases	3
or		
CIS 162	Technical Diagramming Using Microsoft Visio	2
CIS 190	Windows Operating System	3
CIS 191	Linux Operating System	3
CIS 261	Convergent/Unified Technologies and Degree Capstone	3
CIS 263	Fundamentals of Network Security	3
CIS 290	Windows Server-Active Directory	2
CIS 291	Linux System Administration	3
CIS 293	Windows Server-Network Infrastructure	2
CIS 294	Windows Server-Applications Infrastructure	2
		<u>23-24</u>
Total Required Including Core Classes Plus General Education Requirement		39-40

Certificate of Achievement

Students who complete only the courses required for the major including an area of emphasis qualify for a Certificate in Networking, Security and System Administration in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.