COMPUTER AND INFORMATION SCIENCES: NETWORK/SYSTEMS ADMINISTRATION (CERT)

CERTIFICATE OF ACHIEVEMENT

The network/systems administration program at Cerritos College is designed to prepare students for a career in the information industry by offering training on the cutting-edge skills and knowledge sought by the industry, aiming to provide students with opportunities for career change or advancement. Graduates of the program will have a comprehensive understanding of the current communication technologies and commonly used operating systems, will be equipped with the knowledge and skills needed to design and implement a network infrastructure, and will be able to deploy and administer multiple systems in an organization. The graduates of the program have possible career opportunities including the following occupations: entry-level technical support technician, system administrator, network technician, network administrator, and network engineer.

Program Student Learning Outcomes

- Students configure and utilize servers based on Windows and Unix operating systems.
- Students differentiate between wide, metropolitan, and local area networks.
- Students identify the essential requirement for supporting an Apple Macintosh.
- Students recognize the use of TCP/IP in internet communications.
- Students set up and configure routers.

Program Requirements

Code Number	Course Title	Units
Required Courses		
CIS 170A	Networking Fundamentals	3.5
CIS 170E	Router Configurations and Protocol	3.5
CIS 200A	Apple Mac OS Support Essentials	3.5
CIS 213F	Microsoft Windows Server Administration	3.5
CIS 214	Unix and Linux Operating Systems	3.5
Total Units		**17.5**