



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, administrator, and network engineer.

CERTIFICATE OF ACHIEVEMENT

PROGRAM REQUIREMENTS (CORE)

Required Courses		Units
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 CERTIFICATE REQUIREMENTS **17.5**

RECOMMENDED STUDY PLAN

SEMESTER 1 (FOUNDATIONS)

Course #	Course Name	Units
CIS 58A (1st 9-week)	PC Operating Systems A+ Certification	3.5
CIS 58B (2nd 9-week)	PC Core Hardware A+ Certification	3.5
CIS 170A (1st 9-week) or Summer	Networking Fundamentals	3.5
CIS 212	Introduction to MS Windows Admin	3.5
CIS 214	Unix and Linux Operating Systems	3.5

SEMESTER 2

Course #	Course Name	Units
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

After successful completion of these courses, students will be eligible for the **Certificate of Achievement in IT Support Specialist** and **Certificate of Achievement in Network/Systems Administration**.

If students are interested in Cloud Computing certificate, they may take the following two courses in the semester.

CIS 171A (1st 9-week)	Introduction to Cloud Computing	3.0
CIS 171B (2nd 9-week)	Amazon Web Services-Data Storage	3.0



COMPUTER AND INFORMATION SCIENCE

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