



**DIVISION/DEPARTMENT REQUIREMENTS:**

Required Courses	Units
CIS 170A Networking Fundamentals	3.5
CIS 170E Router Configurations and Protocol	3.5
CIS 170F Advanced Switching and Routing	3.5
CIS 213F Microsoft Windows Server Administration	3.5
CIS 214 Unix and Linux Operating Systems	3.0

**TOTAL CORE REQUIREMENTS** **17.0**

**ELECTIVES (Select at least 21 units from the following):**

Required Courses	Units
CIS 58A PC Operating Systems A+ Certification	3.5
CIS 58B PC Core Hardware A+ Certification	3.5
CIS 101 Introduction to Computer Information Systems	3.0
CIS 103 Computer Programming Logic	3.5
CIS 126 JavaScript for Nonprogrammers	3.5
CIS 162 HTML and CSS 3.5	3.5
CIS 170B Network+ Certification 3.5	3.5
CIS 170G Wide Area Networks 3.5	3.5
CIS 170H TCP/IP Fundamentals 3	3.0
CIS 170I CISCO Network Security 3.5	3.5
CIS 170K Introduction to Wireless Networking 3	3.0
CIS 170L Cybersecurity Fundamentals 3.5	3.5
CIS 170P Introduction to Ethical Hacking 3.5	3.5
CIS 170R Computer and Digital Forensics 3.5	3.5
CIS 170S Network Defense 3.5	3.5
CIS 171A Introduction to Cloud Computing 3	3.0
CIS 171B AMAZON WEB SERVICES-DATA STORAGE 3	3.0
CIS 171C AMAZON WEB SERVICES-COMPUTING SERVICES 3	3.0
CIS 171D AMAZON WEB SERVICES-SECURITY 3	3.0
CIS 182 Java Programming 3.5	3.5
CIS 212 Introduction to Microsoft Windows Administration 3.5	3.5
CIS 214 Unix and Linux Operating Systems 3.5	3.5

**GENERAL EDUCATION (at least 18 units)**

**TOTAL UNITS REQUIRED FOR DEGREE**

**>=60**

**SUGGESTED STUDY PLAN**

**YEAR ONE**

**FALL SEMESTER**

Course #	Course Name	Units
CIS 58A	PC Operating Systems A+ Certification	3.5
CIS 213F	PC Core Hardware A+ Certification	3.5
CIS 212	Introduction to Microsoft Windows Administration	3.5
CIS 214	Unix and Linux Operating Systems	3.5
CIS 213F	Microsoft Windows Server Administration	3.5

**SPRING SEMESTER\***

Course #	Course Name	Units
CIS 170A	Networking Fundamentals	3.5
CIS 170B	Network+ Certification	3.5
CIS 170H	TCP/IP Fundamentals	3.0
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3

\*After successfully completing the courses in this semester, students will receive **Certificate of Achievement in IT Support Specialist**.

**SUMMER SESSION**

Course #	Course Name	Units
-	GE / PROGRAM ELECTIVES	>=3

**YEAR TWO**

**FALL SEMESTER\***

Course #	Course Name	Units
CIS 170E	Router Configurations and Protocol	3.5
CIS 170F	Advanced Switching and Routing	3.5
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3

\*After successfully completing the courses in this semester, students will be eligible to receive **Certificate of Achievement in Network/Systems Administration**.

**SPRING SEMESTER\***

Course #	Course Name	Units
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3
-	GE / PROGRAM ELECTIVES	>=3

\*After successfully completing the courses in this semester, students will receive **Associate of Science degree in Network/Systems Administration**.



**Interested enrolling in Cerritos College?**

Please refer to the step-by-step enrollment process: [www.cerritos.edu/futurestudents](http://www.cerritos.edu/futurestudents)

**Want To Apply To Get Your Certificate?**

1. Make sure you meet the requirements for certificate
  - a. Determine which form to fill out and download the form at: [www.cerritos.edu/admissions-and-records](http://www.cerritos.edu/admissions-and-records)
    - i. Petition for Certificate: Petition to graduate with a Certificate of Achievement
    - ii. Petition for Degree: Petition to graduate with an Associate in Sciences
2. Fill out the appropriate form and meet with a counselor
  - a. Make an appointment by calling (562) 860-2451, ext. 2231 or use Online Counseling at: [www.cerritos.edu/counseling/online-orientation.htm](http://www.cerritos.edu/counseling/online-orientation.htm).



**COMPUTER AND INFORMATION SCIENCES**

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