For Associate of Arts degree, students need to complete the following core requirements (which is also the same as the Certificate of Achievement), with additional units of electives in the program and **minimum 18 units** of general education (depending on which GE plan students are following). Please schedule an appointment with a counselor to go over the study plan.

AA DEGREE

PROGRAM REQUIREMENTS (CORE)

Required Courses		Units
CIS 170A	Networking Fundamentals	3.5
CIS 170B	Network+ Certification	3.5
CIS 170E	Router Configurations and Protocol	3.5
CIS 170F	Advanced Switching and Routing	3.5
CIS 170H	TCP/IP Fundamentals	3.5
CIS 200A	Apple Mac OS Support Essentials 3.5	3.5
CIS 213F	Microsoft Windows Server Administration	3.5
CIS 214	Unix and Linux Operating Systems	3.5

TOTAL UNIT REQUIREMENTS   **27.5**

ELECTIVES
(Select at least **14 units** from the following)

Course #	Course Name	Units
CIS 58A	PC Operating Systems A+ Certification	3.5
CIS 58B	PC Core Hardware A+ Certification	3.5
CIS 101	Intro to Computer Information Systems	3.5
CIS 102	Intro to Microcomputer Hardware and Applications Software	3.5
CIS 103	Computer Programming Logic	3.5
CIS 162	HTML and CSS	3.5
CIS 164	JavaScript Programming	3.5
CIS 170I	Cisco Network Security	3.5
CIS 170K	Introduction to Wireless Networking	3.0
CIS 170L	Cybersecurity Fundamentals	3.5
CIS 170P	Introduction to Ethical Hacking	3.5
CIS 170R	Computer and Digital Forensics	3.5
CIS 170S	Network Defense	3.5
CIS 171A	Introduction to Cloud Computing	3.0
CIS 171B	Amazon Web Services-Data Storage	3.0
CIS 171C	Amazon Web Services-Computing Services	3.0
CIS 171D	Amazon Web Services-Security	3.0
CIS 183	Java Programming	3.5
CIS 212	Introduction to Microsoft Windows Administration	3.5

TOTAL UNIT REQUIREMENTS   **41.5**

For more information, please refer to the current General Catalog: **www.cerritos.edu/catalog**

Connect with a counselor by calling (562) 860-2451, ext. 2231or use Online Counseling at:
www.cerritos.edu/counseling/online-orientation.htm

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
ENGL 100	Freshman Composition	3.5
MATH 112 (for free tuition program) or MATH 104	Elementary Statistics or Survey of Mathematics	3.5

SUMMER 1

Course #	Course Name	Units
READ 101	Lit & Learning Strat College Success	3.0
GE: Natural Science		3.0

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
CIS 212	Introduction to MS Windows Admin	3.5
CIS 214	Unix and Linux Operating Systems	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 curses in Semester 3.

SUMMER 2

Course #	Course Name	Units
CIS 170F	Advanced Switching and Routing	3.5
READ 101	Learning Strat_CollegeSucc	3.0

SEMESTER 3

Course #	Course Name	Units
CIS 170B	Network+ Certification	3.5
CIS 170H	TCP/IP Fundamentals	3.5
CIS 171A (1st 9-week)	Introduction to Cloud Computing	3.5
CIS 171B (2nd 9-week)	Amazon Web Services-Data Storage	3.5
Health & Wellness	Select your own	1.0

SUMMER 3

Course #	Course Name	Units
GE: Natural Science		3.0
GE: Social & Beh Bio Sci		3.0

SEMESTER 4

Course #	Course Name	Units
CIS 171C (1st 9-week)	Amazon Web Services-Computing Services	3.0
CIS 171D (2nd 9-week)	Amazon Web Services-Security	3.0
CIS 181	Python Programming	3.5
GE: Fine Arts & Humn	Select your own	3.0
GE: Any	Select your own	3.0

After successful completion of these courses, students will be eligible for the **Certificate of Achievement in Cloud Computing** and **Associate of Arts in Network/Systems Administration**.