

# NETWORK ADMINISTRATION AND SUPPORT

## NETWORK ADMINISTRATION AND SUPPORT A.A.S.

Program code: T.CNA.AAS

### Associate in Applied Science (A.A.S.)

Graduation requirement — 64–66 semester hours

The Computer Network System Administrator program prepares students to manage and administer the computer networks of small to medium-sized enterprises. Students will learn to use a variety of operating systems: use, install, and maintain networks; program routers and switches; develop networking software and develop and study documentation used to manage a network. Students will receive extensive hands-on experience.

### Program Notes\*

- Students planning to transfer to a 4-year institution should take COM 103; those planning to enter the workforce upon graduation should take COM 120.
- Successful completion of CSC 117 earns the student a Google-issued industry-recognized credential as an IT support professional

### Suggested Full-time Sequence

FALL	SPRING
1st Semester	2nd Semester
CIS 112 or CSC 117	CSC 115 CSC 116
CSC 118	CSC 151
CSC 130	MAT 108
CSC 133	Soc/Beh Sci or Hum/FA elec
ENG 101	

FALL	SPRING	SUMMER
3rd Semester	4th Semester	
CSC 150	CSC 159	CIS 298
CSC 153	CSC 251	
CSC 171	CSC 271	
Elective	Elective	
COM 103 or COM 120	Soc/Beh Sci or Hum/FA elec	

### Required Program Courses (43-45 hours) Cr. Hrs.

CIS 112	Computing Essentials .....	4
or CSC 117*	Google IT Support Professional .....	6
CIS 298	Work Experience .....	2
CSC 115	Networking I - Routers and Switches .....	3
CSC 116	Networking II - WAN Connectivity .....	3
CSC 118	Introduction to Linux .....	3
CSC 130	Introduction to Computer Networks .....	3
CSC 133	PC Hardware and OS Maintenance .....	4
CSC 150	Wireless Networking and Emerging Technologies .....	3
CSC 151	MS OS Workstation .....	3
CSC 153	MS OS Server .....	3
CSC 159	MS Network Administrator .....	3
CSC 171	Linux Installation and Administration .....	3
CSC 251	Advanced Topics in Computer Security .....	3
CSC 271	Linux Networking and Security .....	3

### Electives (6 hours)

Choose from the following courses:

CIS 122	Introduction to Computer Programming .....	4
CIS 134	Spreadsheet Applications (MS Excel) .....	3
CSC 140	Computer Science I (Java) .....	3
CSC 155	Systems Development .....	3

### Required General Education Courses (15 hours)

COM 103*	Introduction to Public Speaking	
or COM 120*	Interpersonal Communication .....	3
ENG 101	Composition I .....	3
MAT 108	Introduction to Applied Statistics .....	3
Social/Behavioral Sciences electives or Humanities/Fine Arts electives .....		6

Total Semester Credit Hours 64–66