Course Name: Network Administration I

Course Number: CST 184

Credits: 3

Catalog description: An introduction to a workstation operating system; topics covered include installation, configuration, administration and support. The course will introduce administrative tools used to manage the system, and the protocols and services that ship with it, including the Domain Name System (DNS).

Substantial work in the computer lab is required. This course will help students prepare for relevant industry tests.

Prerequisite: CST*266 *or* any programming course

Corequisite or Parallel:

General Education Competencies Satisfied:

HCC General Education Requirement Designated Competency Attribute Code(s):

None

Additional CSCU General Education Requirements for CSCU Transfer Degree Programs:

None

Embedded Competency(ies):

None

Discipline-Specific Attribute Code(s):

☒ **COMP**   **Computer Science Elective**

Course objectives:

General Education Goals and Outcomes:

None

Course Specific Objectives:

1. Understand the installation and configuration of a workstation operating system
2. Understand administration and support
3. Understand network protocols
4. Understand the Domain Name System (DNS)

Course Content:

- Installing a workstation operating system
- Managing hardware devices
- Working with the control panel
- Managing data storage
- Installing and configuring network protocols
- Performing administrative tasks
- Administering user accounts and groups
- Working with shared folders
- Setting up, configuring, and administering network printers
- Working with NTFS permissions
- Configuring local security policies
- Monitoring events and resources
- Backing up and restoring data
- Working with the registry and boot process
- Introducing DNS, Active Directory Services, and Web server resources

Date Course Created:

Date of Last Revision: 04/04/2017