



Course Name: Network Administration II

Course Number: CST* E185

Credits: 3

Catalog description: Students will learn how to plan the infrastructure of a network. Topics covered will include installation, file systems, and disk management functions, administration of the operating system and directory services, network protocols, routing and remote access monitoring and optimization.

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

Prerequisite: CST*184

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. Identify the architecture of a server operating system.
2. Understand installation and configuration.
3. Understand File Systems.
4. Use directory services.
5. Understand administration.
6. Understand network protocols and services.
7. Understand routing.
8. Understand security.
9. Know principles of monitoring and optimization.

Course Content:

- Introduction to a Server Operating System
- Installing and Configuring a Server Operating System
- Unattended Installations of a Server Operating System
- File Systems
- Advanced File Systems
- Directory Services
- Administering a Serve
- Administering Print Services
- Network Protocols and Services
- Server Security

Date Course Created:

Date of Last Revision: 04/03/2017