



MONROE COUNTY
COMMUNITY COLLEGE

Course Outcome Summary

Required Program Core Course

CIS 228 Linux Administration

Course Information

Division	Business
Contact Hours	45
Total Credits	3

Prerequisites

CIA 203 – Open-source Client Operating System

Course Description

This course covers installing, configuring, and managing a multi-user UNIX/Linux computer system. Topics covered include File Systems, Disk Management, User Management, Configuration, Remote Access, Remote Desktop, Customizing, and Kernel Customizing. Students will perform several hands-on activities to reinforce classroom discussions.

This course is a required core course for students pursuing an:

AAS in System Administration Specialist

AAS in Cybersecurity and Information Assurance

Course Outcomes

To evidence success in this course, the students will be able to:

1. Implement and administer a Linux Server;
2. Install and administer server services;
3. Manage Users and Groups;
4. Setup and manage policies;
6. Implement File Services;
7. Secure a Linux Server;
8. Understand Virtualization;

Program Outcomes Addressed by this Course:

Upon successful completion of this course, students should be able to meet the program outcomes listed below:



Cybersecurity and Information Assurance

1. Implement and administer a Linux Server;

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

Demonstrate a basic understanding of networks and computer security in the business environment.
Configure basic TCP/IP networking services on computers in the workplace.

2. Install and administer server services;

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

3. Manage Users and Groups

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

4. Setup and manage policies

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

5. Implement File Services

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

6. Secure a Linux Server

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.



System Administration Specialist

1. Implement and administer a Linux Server;

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

Demonstrate a basic understanding of networks and computer security in the business environment.

Configure basic TCP/IP networking services on computers in the workplace.

2. Install and administer server services;

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

3. Manage Users and Groups

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

4. Setup and manage policies

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

5. Implement File Services

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

6. Secure a Linux Server

Applies to Program Outcome

Use, install, configure, manage, troubleshoot and maintain a server operating system.

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