



MONROE COUNTY  
COMMUNITY COLLEGE

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# Course Outcome Summary

**Required Program Core Course**

**CIS 228 Linux Administration**

## Course Information

Division	Business
Contact Hours	45
Total Credits	3

## Prerequisites

CIS 208 PC Operating Systems

## 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 a number of 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

In order 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;
5. 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.

Date Updated:

By: