

# CIT 215 - SERVER TECHNOLOGIES

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## Course Description

Students in this course will learn about the latest Server Technologies. Concepts covered include Server Hardware Installation & Management, Server Administration, Security, Disaster Recovery, and Troubleshooting. Students will have an opportunity to work with different types of server installations. Windows PowerShell and Hyper-V will also be introduced. This course is aligned to the CompTIA Server+ certification exam. Group 2 course.

## Credit Hours

3

## Contact Hours

4

## Lecture Hours

2

## Lab Hours

2

## Required Prerequisites

CIT 213 or instructor permission.

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

- Summarize Windows Server Operating concepts.

### Application:

- Deploy the Windows Server Operating System using various methods.
- Configure server roles and role services.
- Perform management tasks using different methodologies.
- Configure Storage Spaces.
- Deploy High-Availability Solutions.

### Integration:

- Recommend different installation options based on business environments.
- Discuss the importance of implementing high-availability solutions in business.
- Recommend different ways to manage the Windows Server Operating System.

### Human Dimension:

- Recognize the importance of a network administrator's role in an organization.
- Self-evaluate the need to specialize or be a generalist in technology.
- Work with others to achieve a desired outcome.

### Caring - Civic Learning:

- Explore how their role has a direct impact on the productivity of others.
- Explore ethical dilemmas related to technology.

### Learning How to Learn:

- Recognize the importance of staying updated on technology.
- Seek out solutions to problems on their own.