

CIT 215 - WINDOWS SERVER ENVIRONMENT

Course Description

In this course students will learn about the latest Windows Server operating system. Students will install many server roles and features. Concepts studied include remote administration, storage, virtualization, Windows Containers, Windows Server Update Services, and high-availability. Students will have an opportunity to work with different types of server installations. Windows PowerShell and Hyper-V will also be introduced. 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.