

Alexandria Technical and Community College

CVNP 1620: Enterprise Operating System I

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 3

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

In this course, the students learn the skills and knowledge necessary to implement a core Windows Server Infrastructure into an existing enterprise environment. This academic course is mapped to 70-410 Installing and Configuring Windows Server 2012 exam skills, including the recent R2 objectives. This course prepares students to prove mastery of core services such as Active Directory and networking services.

B. COURSE EFFECTIVE DATES: 05/16/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Installing and configure servers
2. Creating and configuring Virtual Machine management
3. Creating and configuring virtual networks
4. Configuring IPv4 and IPv6 Addressing
5. Deploy and configure Dynamic Host Configuration Protocol (DHCP)
6. Deploy and Configure Domain Name System (DNS)
7. Installing Domain Controllers
8. Create and manage Active Directory users and computers
9. Create and manage Active Directory groups and Organizational Units
10. Create Group Policy Objects
11. Configure security policies
12. Configure application restriction policies
13. Configure Windows Firewall

D. LEARNING OUTCOMES (General)

1. The learner will gain an understanding of migration/upgrade options to get to Windows Server 2012.
2. The learner will plan for a server upgrade and install Server Core.
3. The learner will optimize resource utilization by using Features on Demand.
4. The learner will migrate roles from previous versions of Windows Server.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted