

## SEMINAR – COURSE DESCRIPTIONS

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### **COURSE TITLE: 2277 Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure**

#### **COURSE DESCRIPTION:**

This five-day instructor led course provides students with the knowledge and skills to implement, manage, and maintain a Microsoft Windows Server 2003 network infrastructure. The course is intended for systems administrators and systems engineer candidates who are responsible for implementing, managing, and maintaining server networking technologies. These tasks include implementing routing; implementing, managing, and maintaining Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol security (IPSec) and certificates; implementing a network access infrastructure by configuring the connections for remote access clients; and managing and monitoring network access.

**COURSE LENGTH:** 5 Classes, 5 Clock Hours a Class

**Total Clock Hours:** 25

#### **PREREQUISITES:**

The student must have successfully completed:

**Course 2276:** Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts, or have equivalent knowledge and skills.

#### **OBJECTIVE OF SEMINAR (Main Skills to be Learned):**

Allocating IP Addressing by Using Dynamic Host Configuration Protocol (DHCP) (Module 1), Managing and Monitoring Dynamic Host Configuration Protocol (DHCP) (Module 2), Resolving Names (Module 3), Resolving Host Names by Using Domain Name System (DNS) (Module 4), Integrating DNS and Active Directory (Module 5), Managing and Monitoring Domain Name System (DNS) (Module 6), Resolving NetBIOS Names by Using Windows Internet Name Service (WINS) (Module 7), Configuring Routing by Using Routing and Remote Access (Module 8), Securing Network Traffic by Using IPSec and Certificates (Module 9), Configuring Network Access (Module 10), Managing and Monitoring Network Access (Module 11).

#### **TIME ALLOTTED FOR EACH MAIN TOPIC:**

**Class 1:** 5 Hours-Modules 1-2

**Class 2:** 5 hours-Modules 3-4

**Class 3:** 5 Hours-Modules 5-6

**Class 4:** 5 Hours-Modules 7-9

**Class 5:** 5 Hours-Modules 10-11