

SEMINAR – COURSE OVERVIEW
MICROSOFT TRAINING SEMINARS

Seminar trainings are broken into two cumulative course training tracks as well as individual course offerings. The seminar training tracks are defined as a MCSA track, consisting of six individually defined courses, and a MCSE training track consisting of the MCSA training track with three additional courses. The table below illustrates the available training tracks and individual course offerings.

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|----------------------------|----------------------------|---|
| MCSE Training Track | MCSA Training Track | <p>Course 2274: Managing a Microsoft Windows Server 2003 Environment</p> <p>Course 2275: Maintaining a Microsoft Windows Server 2003 Environment</p> <p>Course 2285: Installing, Configuring, and Administering Microsoft Windows XP Professional</p> <p>Course 2276: Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts</p> <p>Course 2277: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure</p> <p>Course 2830: Designing Security for Microsoft Networks</p> |
| | | <p>Course 2278: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure</p> <p>Course 2279: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure</p> <p>Course 2282: Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure</p> |

SEMINAR– COURSE OUTLINES
MICROSOFT

MICROSOFT CERTIFIED SYSTEMS ADMINISTRATOR AND MICROSOFT CERTIFIED SYSTEMS ENGINEER TRACKS:

Course Track:

[Course 2274](#): Managing a Microsoft Windows Server 2003 Environment

[Course 2275](#): Maintaining a Microsoft Windows Server 2003 Environment

[Course 2285](#): Installing, Configuring, and Administering Microsoft Windows XP Professional

[Course 2276](#): Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts

[Course 2277](#): Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

[Course 2830](#): Designing Security for Microsoft Networks

(END MCSA Track)

[Course 2278](#): Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

[Course 2279](#): Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

[Course 2282](#): Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure

(END MCSE Track)

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: MICROSOFT CERTIFIED SYSTEMS ENGINEER CERTIFICATION TRAINING

COURSE LENGTH: 35 Classes, (7 Weeks) at 5 Clock Hours a Class

Total Clock Hours: 175

CORE EXAMS: Network Systems

Exam 70-290: Managing and Maintaining a Windows Server 2003 Environment

Course 2274: *Managing a Microsoft Windows Server 2003 Environment (5 Days)*

Course 2275: *Maintaining a Microsoft Windows Server 2003 Environment (3 Days)*

Exam 70-291: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Course 2276: *Implementing a Microsoft Windows Server 2003 network Infrastructure: Network Hosts (2 Days)*

Course 2277: *Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services (5 Days)*

Exam 70-293: Planning and Maintaining a Windows Server 2003 Network Infrastructure

Course 2278: *Planning and Maintaining a Windows Server 2003 Network Infrastructure (5 Days)*

Exam 70-294: Planning, Implementing, and Maintaining a Windows Server 2003 Active Directory Infrastructure

Course 2279: *Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure (5 Days)*

CORE EXAM: Client Operating Systems

Exam 70-270: Installing, Configuring, and Administering Microsoft Windows XP Professional

Course 2285: *Installing, Configuring, and Administering Microsoft Windows XP Professional (2 Days)*

CORE EXAM: Design

Exam 70-297: Designing a Windows Server 2003 Active Directory and Network Infrastructure

Course 2282: *Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure (5 Days)*

ELECTIVE EXAM:

Exam 70-298: Designing Security for a Microsoft windows Server 2003 Network

Course 2830: *Designing Security for Microsoft Networks (3 Days)*

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: MICROSOFT CERTIFIED SYSTEMS ADMINISTRATOR CERTIFICATION TRAINING

COURSE LENGTH: 20 Classes (4 Weeks) at 5 hours a Class

Total Clock Hours: 100

CORE EXAMS: Network Systems

Exam 70-290: Managing and Maintaining a Windows Server 2003 Environment

Course 2274: *Managing a Microsoft Windows Server 2003 Environment (5 Days)*

Course 2275: *Maintaining a Microsoft Windows Server 2003 Environment (3 Days)*

Exam 70-291: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Course 2276: *Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts (2 Days)*

Course 2277: *Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services (5 Days)*

CORE EXAMS: Client Operating Systems

Exam 70-270: Installing, Configuring, and Administering Microsoft Windows XP Professional

Course 2285: *Installing, configuring, and Administering Microsoft Windows XP Professional (2 Days)*

ELECTIVE EXAM:

Exam 70-298: Designing Security for a Microsoft Windows Server 2003 Network

Course 2830: *Designing Security for Microsoft Networks (3 Days)*

SEMINAR – COURSE DESCRIPTION DESCRIPTIONS

COURSE TITLE: 2274 MANAGING A MICROSOFT WINDOWS SERVER 2003 ENVIRONMENT

COURSE DESCRIPTION:

This five-day instructor led course provides students with the knowledge and skills to manage accounts and resources in a Microsoft Windows Server 2003 environment. The course is intended for systems administrators and systems engineer candidates who are responsible for managing accounts and resources. These tasks include managing user, computer, and group accounts; managing access to network resources; managing printers; managing an organizational unit in a network based on Active Directory service; and implementing Group Policy to manage users and computers. This is the first course in the Systems Administrator and Systems Engineer tracks for Windows Server 2003 and serves as the entry point for other courses in the windows Server 2003 curriculum.

COURSE LENGTH: 5 Classes, 5 Clock Hours a Class

Total Clock Hours: 25

PREREQUISITES:

Before attending this course, students must have met the following requirements:

A+ Certification, or equivalent knowledge and skills.

Network+ Certification, or equivalent knowledge and skills.

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Introduction to Administering Accounts and Resources (Module 1), Managing User and Computer Accounts (Module 2), Managing Groups (Module 3), Managing Access to Resources (Module 4), Implementing Printing (Module 5), Managing Printing (Module 6), Managing Access to Objects in Organizational Units (Module 7), Implementing Group Policy (Module 8), Managing the User Environment by Using Group Policy (Module 9), Implementing Administrative Templates and Audit Policy (Module 10).

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 6-8

Class 5: 5 Hours-Modules 9-10

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2275 Maintaining a Microsoft Windows Server 2003 Environment

COURSE DESCRIPTION:

This three-day instructor led course provides students with the knowledge and skills that are needed to effectively maintain server resources, monitor server performance, and safeguard data on a computer running one of the operating systems in the Microsoft Windows Server 2003 family.

COURSE LENGTH: 3 Classes, 5 Clock Hours a Class

Total Clock Hours: 15

PREREQUISITES:

Before attending this course, students must have successfully completed:

Course 2274: Managing a Microsoft Windows Server 2003 Environment or have equivalent knowledge and skills.

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Preparing to Administer a Server (Module 1), Preparing to Monitor Server Performance (Module 2), Preparing to Monitor Server Performance (Module 3), Monitoring Server Performance (Module 4), Maintaining Device Drivers (Module 5), Managing Disks (Module 6), Managing Data Storage (Module 7), Managing Disaster Recover (Module 7), Software Maintenance Using Windows Server Update Services (Module 8), Software Maintenance Using Windows Server Update Services (Module 9).

TIME ALLOTTED FOR EACH MAIN TOPIC:

Class 1: 5 Hours-Modules 1-3

Class 2: 5 Hours-Modules 4-6

Class 3: 5 Hours-Modules 7-9

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2276 Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts

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 administrator 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: 2 Classes, 5 Clock Hours a Class

Total Clock Hours: 10

PREREQUISITES:

Before attending this course, students must have completed:

A+ Certification or the equivalent knowledge and skills **or** successfully completed

Course 2274: Managing a Microsoft Windows Server 2003 Environment, or equivalent knowledge and skills.

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Reviewing the Suite of TCP/IP Protocols (Module 1), Assigning IP Addresses in a Multiple Subnet Network (Module 2), Configuring a Client IP Address (Module 3), Configuring a Client for Name Resolutions (Module 4), Isolating Common Connectivity Issues (Module 5).

TIME ALLOTTED FOR EACH MAIN TOPIC:

Class 1: 5 Hours-Modules 1-2

Class 2: 5 Hours-Modules 3-5

SEMINAR – COURSE DESCRIPTIONS

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

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2278 Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

COURSE DESCRIPTION:

The goal of this five-day course is to provide students with the knowledge and skills necessary to plan and maintain a Windows Server 2003 network infrastructure.

COURSE LENGTH: 5 Classes, 5 Clock Hours per Class

Total Clock Hours: 25

PREREQUISITES:

Before attending this course, students must have successfully completed:

Course 2277: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services, or have equivalent knowledge and skills.

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Introducing Windows Server 2003 Network Infrastructure Planning, Tools, and Documentation (Module 1); Planning and Optimizing a TCP/IP Physical and Logical Network (Module 2); Planning and Troubleshooting Routing and Switching (Module 3); Planning, Optimizing, and Troubleshooting DHCP (Module 4); Planning a DNS Strategy (Module 5); Optimizing and Troubleshooting DNS (Module 6); Planning and Optimizing WINS (Module 7); Planning and Troubleshooting IPsec (Module 8); Planning Network Access (Module 9); Troubleshooting Network Access (Module 10); Planning a Windows Server 2003 Network Infrastructure (Module 11).

TIME ALLOTTED FOR EACH MAIN TOPIC:

- Class 1:** 5 Hours-Modules 1-3
- Class 2:** 5 Hours-Modules 4-5
- Class 3:** 5 Hours-Modules 6-7
- Class 4:** 5 Hours-Modules 8-9
- Class 5:** 5 hours-Modules 10-11

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2279 Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

COURSE DESCRIPTION:

The five-day instructor led course includes self-paced and instructor facilitated components. It provides students with the knowledge and skills to successfully plan, implement, and troubleshoot a Microsoft Windows Server 2003 Active Directory service infrastructure. The course focuses on a Windows Server 2003 directory service environment, including forest administration, Group Policy, and user, group, and computer account strategies.

COURSE LENGTH: 5 Classes, 5 Clock Hours a Class

Total Clock Hours 25

PREREQUISITES:

Before attending this course, students must have successfully completed:

Course 2278: Planning and Maintaining a Windows Server 2003 Network Infrastructure, or have the equivalent knowledge and skills.

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Introduction to Active Directory Infrastructure (Module 1); Implementing an Active Directory Forest and Domain Structure (Module 2); Implementing an Organizational Unit Structure (Module 3); Implementing User, Group, and Computer Accounts (Module 4); Implementing Group Policy (Module 5); Deploying and Managing Software by Using Group (Module 6); Implementing Sites to Manage Active Directory Replication (Module 7); Implementing the Placement of Domain Controllers (Module 8); Managing Operations Masters (Module 9); Maintaining Active Directory Availability (Module 10); Planning and Implementing an Active Directory Infrastructure (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

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2282 Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure

COURSE DESCRIPTION:

This five-day, instructor led course provides students with the knowledge and skills to design a Microsoft Active Directory service and network infrastructure for a Microsoft Windows Server 2003 environment. The course is intended for systems engineers who are responsible for designing directory service and/or network infrastructures.

COURSE LENGTH: 5 Classes, 5 Clock Hours a Class

Total Clock Hours 25

PREREQUISITES:

This course requires that students have successfully completed:

- Course 2278:** Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure
- Course 2279:** Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure.

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Introduction to Designing an Active Directory and Network Infrastructure (Module 1); Designing a Forest and Domain Infrastructure (Module 2); Designing a Site Infrastructure (Module 3); Designing the Administrative Structure (Module 4); Designing for Group Policy (Module 5); Designing the Physical Network (Module 6); Designing for Network Connectivity (Module 7); Designing a Name Resolution Strategy (Module 8); Designing the Network Access Infrastructure (Module 9).

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 7-8
- Class 5:** 5 Hours-Modules 9

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2285 Installing, Configuring, and Administering Microsoft Windows XP Professional

COURSE DESCRIPTION:

This two-day, instructor led course provides students with the knowledge and skills to and support the Windows® XP Professional operating system—and prepare for the Microsoft® Certified Professional (MCP) exam. Topics include implementing Windows XP Professional, including automated and remote installations • Configuring the desktop environment—from user accounts to multiple-language support • Installing and supporting hardware devices and drivers • Administering resources such as shared folders, file systems, and network printers • Configuring and troubleshooting network protocols and services—including TCP/IP, Internet Information Services, and remote access • Optimizing memory, processor, and application performance • Managing security—Group Policy, Encrypting File System (EFS), NTFS permissions • Backing up and restoring files and system state data.

COURSE LENGTH: 2 Classes, 5 Clock Hours a Class

Total Clock Hours 10

PREREQUISITES:

Before attending this class, students must have:

CompTIA A+ Certification or equivalent knowledge
CompTIA Network+ Certification or equivalent knowledge

and

successfully completed the following courses:

Course 2274: Managing a Microsoft Windows Server 2003 Environment
Course 2275: Maintaining a Microsoft Windows Server 2003 Environment

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Installing Windows XP Professional (Module 1); Adding Hardware to Windows XP Professional Clients (Module 2); Resolving Boot Process Issues (Module 3); Configuring the Desktop Environment (Module 4); Configuring Internet Explorer and Supporting Applications (Module 5); Configuring Windows SP Professional to Operate in a Microsoft Network (Module 6); Configuring Windows XP Professional for Mobile Computing (Module 7).

TIME ALLOTTED FOR EACH MAIN TOPIC:

Class 1: 5 Hours-Modules 1-3

Class 2: 5 Hours-Modules 4-7

SEMINAR – COURSE DESCRIPTIONS

COURSE TITLE: 2830 Designing Security for Microsoft Networks

COURSE DESCRIPTION:

This three-day instructor led course provides you with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment. The course encourages decision-making skills through an interactive tool that simulates real-life scenarios that the target audience may encounter. You are given the task of collecting the information and sorting through the details to resolve the given security requirement.

COURSE LENGTH: 3 Classes, 5 clock Hours a Class

Total Clock Hours 15

PREREQUISITES:

This course requires that students have successfully completed:

Course 2276: Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts
Course 2277: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

OBJECTIVE OF SEMINAR (Main Skills to be Learned):

Introduction to Designing Security (Module 1); Creating a Plan for Network Security (Module 2); Identifying Threats to network Security (Module 3); Analyzing Security Risks (Module 4); Creating a Security Design for Physical Resources (Module 5); Creating a Security Design for computers (Module 6); Creating a Security Design for Accounts (Module 7); Creating a Security Design for Authentication (Module 8); Creating a Security Design for Data (Module 9); Creating a Security Design for Data Transmissions (Module 10); Creating a Security Design for Network Perimeters (Module 11); Designing Security Responses to Security Incidents (Module 12); Designing an Acceptable Use Policy (Module 13); Designing Policies for Managed Networks (Module 14); Designing an Operations Framework to Manage Security (Module 15).

TIME ALLOTTED FOR EACH MAIN TOPIC:

Class 1: 5 Hours-Modules 1-4
Class 2: 5 Hours-Modules 5-8
Class 3: 5 Hours-Modules 9-12