Microsoft Certified Systems Engineer Certification (MCSE) Training

The Microsoft Certified Systems Engineer (MCSE) credential is the premier certification for professionals who analyze the business requirements for system architecture; design solutions; deploy, install, and configure Network architecture components; and troubleshoot Local Area Network (LAN) problems.
To meet the objectives of this course, students will be required to complete work above and beyond their regular course hours. For every five hours in the class, students should consider two additional hours of personal work to review what they have learned, and complete supplementary exercises.

Objectives:

- Installing Windows 2000 Professional
- Implementing and Conducting Administration of Resources
- Implementing, Managing, and Troubleshooting Hardware Devices and Drivers
- Monitoring and Optimizing System Performance and Reliability
- Configuring and Troubleshooting the Desktop Environment
- Implementing, Managing, and Troubleshooting Network Protocols and Services
- Implementing, Monitoring, and Troubleshooting Security
- Installing Windows 2000 Server
- Installing, Configuring, and Troubleshooting Access to Resources
- Managing, Monitoring, and Optimizing System Performance, Reliability, and Availability
- Managing, Configuring, and Troubleshooting Storage Use
- Configuring and Troubleshooting Windows 2000 Network Connections
- Implementing, Monitoring, and Troubleshooting Security
- Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS, DHCP, Network Protocols, WINS, IP Routing, Network Address Translation, and Certificate Services in a Win 2000 Network Infrastructure.
- Configuring, Managing, Monitoring, and Troubleshooting Remote Access in a Win 2000 Network Infrastructure
- Installing, configuring, and troubleshooting the components of Active Directory.
- Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS for Active Directory
- Installing, Configuring, Managing, Monitoring, Optimizing, and Troubleshooting Change and Configuration Management
- Analyzing Technical Requirements
- Analyzing Security Requirements
- Designing a Windows 2000 Security Solution
- Designing a Security Solution for Access Between Networks
- Designing Security for Communication Channels
- Installing, configuring and implementing proxy servers
- Integrating proxy with current security models
- Installing, configuring system management server on the existing network
- Maintaining records of all the system resources and configuring priorities and policies for all shared resources.
- Granting permissions on resource.
- Maintaining steady flow of network traffic thru by eliminating bottlenecks

Class Timings:

For student's convenience, we offer morning (8:30AM to 12:30PM), afternoon (1:30PM to 5:30PM) and evening (6:00PM to 10:00PM) classes on Mondays, Wednesdays and Fridays Schedules and Tuesdays and Thursdays Schedules. Generally the classes are four hours long and at the end of first and third hours of class a 10-minute break is given; at the end of second hours of class a half time break of 20 minutes is given.

Pre-requisites:

- High School Diploma / GED or passing the school' in-house computer literacy test with a score of 70% or greater.
- 6 months experience in computer hardware and network operating system environment.
- Certification in A+ and/or Network+.

Instructional Methods:

Instructor Led: Certified instructors teach this training program. They have practical experience having worked in the industry and bringing real world experience to the classroom.
Hands-On Lab: Every student gets an opportunity to learn the relevant topics with hands on experience guided by the instructor during the course structure. Troubleshooting case scenarios are set up to enable students to apply what they have learned.
Study Notes: Students are provided with extra study notes and material and reference copies throughout the program.
Worksheet Manuals: Students are provided with worksheet manuals to guide them towards taking the certifications exams.

Testing Methods:

Exams: Students are provided with periodic tests to track their progress in the program.
Quizzes: Surprise quizzes are provided during the course of the program to keep track of students' commitment to go through the program successfully.

Completion Certificate:

Students will be provided with completion certificate from the school after completing the program with good attendance and obtaining passing score in class tests and quizzes.

Certification Exams:

The following 7 examinations are to be passed at an approved Sylvan Prometric testing center to obtain certification from Microsoft:

- MCSE Windows Professional
- MCSE Windows Server
- MCSE Windows Network Infrastructure
- MCSE Windows Directory Services
- MCSE Windows Network Security Design
- MCSE Windows Systems Management Server
- MCSE Windows Supporting Microsoft Proxy Server

When any module of MCSE certification examination is passed students receive MCP (Microsoft Certified Professional) certification directly from Microsoft Corporation. When all exams have been successfully completed, Certification as a Microsoft Certified System Engineer will be issued by Microsoft Corporation (USA).

MCSE Windows 2000 Training Curriculum

Total Hours: 300

Administering Windows 2000 Professional   **Tuition: 28 Hours**
                                                                                            Lab: 16 Hours

This course will help your prepare for such tasks as installing, implementing & administering resources, managing and troubleshooting hardware devices and security and network protocols.

Administering Windows 2000 Server   **Tuition: 28 Hours**
                                                                                            Lab: 16 Hours

This course will enable you to install, configure, and administer Windows2000 Server. Other topics include resource access, hardware devices & derivers, storage use, network connections and security.

Implementing and Administering Windows 2000 Network Infrastructure   **Tuition: 26 Hours**
                                                                                            Lab: 20 Hours

This course help you prepare for such tasks as installing, configuring, managing, monitoring & troubleshooting the components of Win2K infrastructure, such as DNS, DHCP, Remote Access, WINS, IP routing, Terminal Services, & Certificate Services.

Implementing and Administering Windows 2000 Directory Services   **Tuition: 26 Hours**
                                                                                            Lab: 20 Hours

This course will help you install, configure & troubleshoot Active Directory, DNS for Active Directory, change, manage and administer Active Directory Schema and Security Solution.

Designing Security for a Microsoft Windows 2000 Network   **Tuition: 24 Hours**
                                                                                            Lab: 16 Hours

This course will help you lay out a security framework for a small, medium and enterprise network. Designing a security solution between networks and designing security for communications channels.

Implementing and Supporting System Management Server 2.0   **Tuition: 24 Hours**
                                                                                            Lab: 16 Hours

This course is intended for network integrators, system engineers, and support professionals who implement and support Transmission Control Protocol/Internet Protocol (TCP/IP) using Windows NT in local and wide-area network environments.

Implementing and Supporting Microsoft Proxy Server 2.0   **Tuition: 24 Hours**
                                                                                            Lab: 16 Hours

The objective of this course is planning, installing, configuring, setting up and managing resource access, integration and intractability, monitoring and optimization and troubleshooting with Microsoft Proxy server 2.0

Lab Work Incorporated in the Training:

LAN Set-Up	Default Gateways Set-up
Remote Installation Services	Proxy Services Configuring
Remote Access Services	Firewall Security Set-up
Creating Domain/Trees/Forests	DNS/DHCP/WINS Set-Up
NW links Set-Up	Group Policies/Active Directory
TCP/IP Configuration Set-Up	Certificate Services and PKI
Creating Sites & Services	Troubleshooting Sessions