EXCELSIOR COLLEGE

7 Columbia Circle, Albany, NY 12203-5159
Phone: **518.608.8211** | Toll Free: **888.647.2388** | Fax: 518.464.8777
WWW.EXCELSIOR.EDU/CPD

CENTER FOR PROFESSIONAL DEVELOPMENT

MICROSOFT CERTIFIED SOLUTIONS ASSOCIATE (MCSA): SERVER 2008

275 Hours/6 Months*/Instructor-Facilitated
Course Code: CPD155

OVERVIEW

The MCSA: Windows Server 2008 series will prepare you to take the Microsoft 70-640, 70-642, and 70-646 certification exams. The MCSA: Windows Server 2008 program will also prepare you to administer and manage Windows 2008 Networks.

This certification will give you the opportunity for more money and more stability in the ever-growing and changing IT marketplace. The network administrator profession continues to be among the fastest growing and most stable positions in the IT industry.

This online certificate program is offered in partnership with major colleges, universities, and other accredited education providers.

OBJECTIVES

Upon successful completion of this program, you'll be able to:

- Identify the tasks involved in supporting Windows 2008 networks
- Understand how networking concepts are implemented in Windows 2008
- Configure Microsoft Windows 2008 Professional on stand-alone computers and on client computers that are part of a workgroup or domain
- Install and configure Windows 2008 Server
- Install, configure, manage, and support a network infrastructure that uses Microsoft Windows 2008 server
- Gain skills needed to create a networking services infrastructure design that supports the required network applications
- Learn network solution technologies including DHCP, IP, OSPF, RIP, and IGMP
- Gain the knowledge and skills needed to design a security framework for small, medium, and enterprise networks by using Microsoft Windows 2008 technologies

You'll also be prepared to take these Microsoft exams:

- Microsoft 70-640 Certification
- Microsoft 70-642 Certification
- Microsoft 70-646 Certification

OUTLINE

Microsoft Certified Solutions Associate (MCSA): Server 2008, MS-004 Units and Topics

Unit 1 - Active Directory Installation, PowerShell and User and Group Management

I. Attended and Unattended Install of Active Directory

II. Server Core

III. R2 Windows PowerShell
IV. Decommission Servers
V. Server Management
VI. Configure and Manage Users and Groups
VII. Configure and Manage Computer Accounts
VIII. Automate Active Directory

Unit 2 - Group Policy

I. Group Policy Management Console
II. Account and Audit Policy
III. GPO Security Policy
IV. GPO Software and Templates
V. RSOP
VI. R2 Group Policy Objects

Unit 3 – Operations Masters, Replication and Sites, Functional Levels and Domains and Trusts

I. Operations Masters
II. Replication and Sites
III. Subnets
IV. Domain and Forest Functional Levels
V. UPN and Trusts

Unit 4 - Active Directory Roles and Backup and Recovery

I. Read Only Domain Controllers
II. Active Directory Roles
III. Active Directory Lightweight Directory Services
IV. Active Directory Federation Services
V. Active Directory Rights Management Services
VI. Backup and Restore
VII. Active Directory Recycle Bin
VIII. Offline Domain Join

Unit 5 - IP Addressing and DHCP

I. IPv4
II. IPv6
III. Subnetting
IV. Configure and Manage TCP/IP
V. DHCP Configuration
VI. DHCP Management
VII. DHCP Troubleshooting

Unit 6 – DNS

I. DNS Concepts
II. DNS Zone Management
III. DNS Configuration
IV. DNS Troubleshooting
V. DNS from the Command Line

Unit 7 – Routing, IPSec, Windows Firewall, NAP and Remote Access

I. Routing Concepts and Protocols
II. IPSec
III. Network Access Protection
IV. Firewall Settings
V. Wireless Access
VI. Wireless Networking
VII. Remote Access and VPNs
VIII. Configure a NAP VPN
IX. Configure a SSTP VPN
X. DiriectAccess and Power Management

Unit 8 – WSUS, File Services, AppLocker and Branch Cache

I. WSUS Installation and Configuration
II. File and Print Services
III. AppLocker
IV. File Servers and IIS

V. Distributed File System

VI. Manage File Servers

VII. Implement a Web Site with SSL

VIII. Branch Cache

Unit 9 – Printers, Monitoring and PKI

I. Configure and Monitor Print Services

II. Monitor Servers

III. Manage Event Logs

IV. Performance and Reliability Monitor

V. Network Monitor

VI. Active Directory Certificate Services

Unit 10 – 70-640 and 70-642 Exam Prep

Microsoft Certified Solutions Associate (MCSA): Server 2008, MS-005 Units and Topics

Unit 1 – Planning Installation and Network Infrastructure

I. Plan Installations

II. Windows Activation

III. Plan and Implement Read-only Domain Controllers

IV. Plan Network Infrastructure

V. Plan Network Services

Unit 2 – Plan Group Policy and Provision Applications

I. Plan Group Policy

II. Planning Applications

III. Terminal Services Gateway Server

IV. Terminal Services RemoteApp

V. Server Virtualization with Hyper-V

Unit 3 – Plan File Servers, Patch Management and Clustering

I. Plan SANS, File Servers and DFS

II. Plan a Patch Management Infrastructure with WSUS

Outlines are subject to change.
For more information, visit our Web site at: **www.excelsior.edu/CPD**,
email **CPD@excelsior.edu**, or call: **888-647-2388 ext 11-8211**

III. Manage and Monitor Clusters

IV. Configure File Clusters

V. Configure and Manage Network Load Balancing

Unit 4 – Plan PKI, RRAS and NAP

I. Plan Certificate Authorities

II. Plan Storage Area Networks

III. Plan a Secure Remote Access Strategy

Unit 5 – Plan Monitoring and Backup

I. Plan a Monitoring Strategy

II. Manage Recovery of Active Directory

III. Plan Backups

IV. Prep for 70-646

* *An extension is available of three months for a fee.*

COMPUTER REQUIREMENTS

In order to take our online programs, you must have access to a computer and the Internet (high-speed Internet access is recommended). You can access the program contents from any Web-enabled computer.

You will need the following Microsoft products already installed on your computer in order to take this program: Microsoft Office 2010: Word, Excel, PowerPoint and Outlook, full retail version.

Hardware requirements:

- Windows 2000
- Adobe Flash
- Adobe Reader
- PowerPoint
- Video players
- Windows Media Player Series 11 or later
- DirectX 9+

Upon registering for this program, students will receive the following:

- *MCTS Exam 70-640 Configuring Windows Server 2008 Active Directory, 2nd Edition*
- *MCTS Exam 70-642 Configuring Windows Server 2008 Network Infrastructure, 2nd Edition*
- *MCITP Self-Paced Training Kit (Exam 70-646): Windows Server Administration*

PREREQUISITES:

This is an advanced level program. Students should have a base knowledge about computer hardware, installing hard drives, installing and navigating operation systems, and basic networking knowledge. It is recommended that students should either first take CompTIA A+ and Network+ or have the equivalent of two years of experience working with computers.

INSTRUCTOR BIO

Tracey Rossi is Vice President of Curriculum Services of Cyanna Education Services, LLC. She designed the MCSA curriculum and has an MCSE to support it. Prior to joining the Cyanna team, Ms. Rossi served for six years as Director of Academics for TechSkills, a 30-campus national private postsecondary institution. Ms. Rossi has a Bachelor of Arts-Communications from the University of Illinois in Chicago.