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| **Course Objective** | **Module-/Unit-Level Objective** | **Activities** | **Assessments** |
| Perform a clean installation of the Windows client operating system.  Perform an upgrade of the Windows client operating system from a previous version.  Migrate user profiles.  Capture a system image, prepare a system image for deployment and deploy a system image. | Describe the deployment enhancements in Windows 7  Choose a method and type of installation  Use Windows Easy Transfer  Perform an attended installation of Windows 7  Perform an unattended installation of Windows 7  Use and manage Windows Imaging Format to image files | Complete designated reading from the textbook  Complete Hands-On Activities | Unit 2 Quiz  Midterm Exam |

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| **Course Objective** | **Module-/Unit-Level Objective** | **Activities** | **Assessments** |
| Configure a VHD (virtual hard drive).  Manage disks and configure BitLocker drive encryption. | Understand common disk technology and related partition styles  Understand basic and dynamic disk storage technology  Understand typical disk management tools and tasks  Understand partition and volume management  Understand VHD disk management  Describe Windows 7 Security improvements  Use the local security policy to secure Windows 7  Enable auditing to record security events  Describe and configure User Account Control  Describe the malware security features in Windows 7  Use the data security features in Windows 7 | Complete designated reading from the textbook  Complete Hands-On Activities | Unit 4 Quiz  Midterm Exam  Unit 7 Quiz  Final Exam |

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| **Course Objective** | **Module-/Unit-Level Objective** | **Activities** | **Assessments** |
| Configure devices, Windows updates, and Internet Explorer. | Understand and use the Control Panel applets  Understand the Administrative Tools  Manage hardware components  Understand and configure power management  Configure the display  Use Task Scheduler  Understand and configure Windows 7 printing  Understand Windows Fax and Scan  Use Windows Explorer libraries  Find files by using Search  Describe the features in Internet Explorer | Complete designated reading from the textbook  Complete Hands-On Activities | Unit 3 Quiz  Midterm Exam  Unit 9 Quiz  Final Exam |

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| **Course Objective** | **Module-/Unit-Level Objective** | **Activities** | **Assessments** |
| Configure application compatibility and application restrictions | Describe application architecture terminology relevant to Windows 7  Describe supported application environments  Describe the Windows 7 Registry and know how to manipulate it when necessary  Understand file and registry  virtualization in conjunction with User Account Control  Know how to use the Run As Administrator features for applications  Understand how Windows 7 provides tweaked compatibility settings to run older applications  Describe application compatibility research tools provided by Microsoft  Describe application control policies that restrict which applications are allowed to run | Complete designated reading from the textbook  Complete Hands-On Activities | Unit 11 Quiz  Final Exam |
| **Course Objective** | **Module-/Unit-Level Objective** | **Activities** | **Assessments** |
| Configure IPv4 and IPv6 and other network settings, network adapters, and windows firewall.  Configure remote management, BranchCache, DirectAccess, remote connections, and mobility options. | Understand Windows 7 network components  Understand Windows 7 network architecture  Describe and configure IPV4 and IPV6  Perform and monitor file sharing  Connect Windows 7 to the Internet  Describe and configure wireless networking  Configure Windows Firewall  Describe network bridging  Describe ad hoc and homegroup networks  Understand remote access and remote control features in Windows 7  Understand virtual private networking features in Windows 7  Describe DirectAccess technology as an alternative to virtual private networking  Understand how Remote Desktop is used  Understand how Remote Assistance supports users  Describe BranchCache technology to minimize WAN traffic for  remote branch users  Understand Sync Center  Describe Mobility Center | Complete designated reading from the textbook  Complete Hands-On Activities | Unit 8 Quiz  Unit 14 Quiz  Final Exam |

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| **Course Objective** | | **Module-/Unit-Level Objective** | **Activities** | | **Assessments** |
| Configure shared resources, file and folder access, and user account control (UAC).  Configure authentication and authorization. | | Describe local user accounts and groups  Create and manage user accounts  Manage Profiles  Describe Windows 7 integration with networks  Configure and use Parental Controls  Describe Windows 7 Security improvements  Use the local security policy to secure Windows 7  Enable auditing to record security events  Describe and configure User Account Control  Describe the malware security features in Windows 7  Use the data security features in Windows 7  Secure Windows 7 by using Windows Update | Complete designated reading from the textbook  Complete Hands-On Activities | | Unit 6 Quiz  Midterm Exam  Unit 7 Quiz  Final Exam |
| **Course Objective** | | **Module-/Unit-Level Objective** | **Activities** | | **Assessments** |
| Configure performance settings and perform systems monitoring. | | Identify several key performance enhancements  Describe performance tuning concepts  Use Performance Monitor  Use Task Manager  Understand performance ranking  Optimize system performance | Complete designated reading from the textbook  Complete Hands-On Activities | | Unit 10 Quiz  Final Exam |
|  | *MoHealthWINs* | | |

*This workforce solution was funded by a grant awarded by the U.S. Department of Labor’s Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.*



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