

COURSE OUTLINE

MSFT-297

Planning, Implementing, Managing and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE on Windows 2000 3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course provides students with the knowledge and new skills that they need to plan, implement, manage, and maintain a Microsoft Windows Server 2003 networked environment. The focus of the course is on the changes from Microsoft Windows 2000 to Windows Server 2003, and is intended for systems engineers who want to upgrade their skills from Windows 2000 to Windows Server 2003. This course is intended for Microsoft Certified Systems Engineers (MCSEs) certified on Windows 2000 who have experience planning, implementing, and supporting a Windows 2000–based Microsoft Active Directory directory service network, and who need to learn how to leverage those skills in a Windows Server 2003 environment. Prerequisite: MSFT-215

Overall Course Objectives

After completing this course, students will be able to:

1. Identify the systems administration and systems engineer tasks in Windows Server 2003 that are new or different from the tasks performed in Windows 2000.
2. Manage user, group, and computer accounts in a Windows Server 2003 Active Directory-based environment.
3. Manage access to shared resources.
4. Manage and maintain the server environment in a Windows Server 2003 environment.
5. Manage the application server environment in a Windows Server 2003 environment.
6. Manage disaster recovery in a Windows Server 2003 environment.
7. Use Software Update Services to maintain software in a Windows Server 2003 environment.
8. Plan, implement, optimize, and troubleshoot name resolution in a Windows Server 2003 environment.
9. Plan a public key infrastructure (PKI) and an Internet Protocol Security (IPSec) deployment in a Windows Server 2003 environment.
10. Plan and troubleshoot local and remote network access in a Windows Server 2003 environment.
11. Implement Active Directory in a Windows Server 2003 environment.
12. Plan the placement of domain controllers, global catalog servers, and operations masters in a Windows Server 2003 environment.
13. Plan, implement, manage, and troubleshoot Group Policy in a Windows Server 2003 environment.

Major Topics

- I. Management of Users, Groups, and Computers in a networked environment
- II. Management of Resources Access in a Windows Server 2003 environment
- III. Management and Maintenance of a Windows Server 2003 Server Environment
- IV. Management of an Application Server Environment
- V. Management of Disaster Recovery
- VI. Maintenance of Software by Using Software Update Services
- VII. Implementation, Optimization, Planning, and Troubleshooting Name Resolution
- VIII. Planning a public key infrastructure (PKI) and an Internet Protocol Security (IPSec) Deployment
- IX. Planning and Troubleshooting Network Access in a Windows Server 2003 environment

- X. Implementation of Active Directory
- XI. Planning the Placement of Domain Controllers
- XII. Implementation, Management, Planning, and Troubleshooting Group Policy

About Certification Curriculum at HCC

When a student takes a certification course at HCC, that student usually receives more instruction time than they would receive in other formats. Therefore, while taking certification courses at HCC, the student may expect not only instruction from certification materials but additional academic and practical exercises and course work to better equip the student not only for the corresponding certification exam but for eventual utilization in their professional endeavors.

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following: two quizzes or exams and one lab activity.

Other Course Information

This course is intended for systems engineers who want to upgrade their skills from Windows 2000 to Windows Server 2003. It will provide the needed foundation to pass Microsoft Certification Exam 70-292 and 70-296.