

Course Outline
MSFT-279
Planning, Implementing and Maintaining a Microsoft
Windows Server 2003 Active Directory Infrastructure
3 semester hours

HOWARD COMMUNITY COLLEGE

Description

This course provides students with the knowledge and skills to successfully plan, implement, and troubleshoot a Microsoft Windows Server 2003 Active Directory directory service infrastructure. The course focuses on a Windows Server 2003 directory service environment, including forest and domain structure, Domain Name System (DNS), site topology and replication, organizational unit structure and delegation of administration, Group Policy, and user, group, and computer account strategies. Prerequisite: MSFT-278 (3 hours lecture, 1 hour lab)

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Describe the logical and physical components of Active Directory.
2. Create and configure a forest and domain structure by using an Active Directory infrastructure design.
3. Plan and implement an organizational unit structure.
4. Plan and implement Active Directory user, group, and computer accounts.
5. Plan and implement a Group Policy strategy to centrally manage users and computers in an enterprise.
6. Deploy, manage, and troubleshoot software that is deployed using Group Policy.
7. Policy.
8. Implement sites to manage and monitor Active Directory replication.
9. Plan and implement the placement of domain controllers, global catalog servers, and DNS servers that are integrated with Active Directory.
10. Plan and manage operations masters.
11. Back up, restore, and maintain Active Directory.
12. Plan and implement an Active Directory infrastructure that is based on a directory service design that an enterprise architect provides.

Major Topics

- I. Introduction to Active Directory Infrastructure
- II. Implementation of an Active Directory Forest and Domain Structure
- III. Implementation of an Organizational Unit Structure
- IV. Implementation of User, Group, Computer Accounts, and Group Policy.
- V. Deployment and Management of Software by Using Group Policy
- VI. Implementation of Sites to Manage Active Directory Replication
- VII. Implementation of the Placement of Domain Controllers
- VIII. Management of Operations Masters
- IX. Maintenance of Active Directory Availability
- X. Planning and Implementation of an Active Directory Infrastructure

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 a Network Administration core course. This course is also intended for students who wish to become a Microsoft Certified Systems Engineer on Windows Server 2003. It will provide the needed foundation to pass Microsoft Certification Exam 70-294.