

Course Outline
MSFT-282
Designing a Microsoft Windows Server 2003 Active Directory
and Network Infrastructure
3 semester hours

HOWARD COMMUNITY COLLEGE

Description

This course provides students with the knowledge and skills to design a Microsoft Active Directory directory service and network infrastructure for a Microsoft Windows Server 2003 environment. The course is intended for systems engineers who are responsible for designing directory service and/or network infrastructures. Prerequisite: MSFT-279 (3 hours lecture, 1 hour lab)

Overall Course Objectives

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

1. Describe the process of designing an Active Directory infrastructure and a network infrastructure that supports Active Directory.
2. Design a forest and domain infrastructure that meets the needs of an organization.
3. Design a site infrastructure that meets the needs of an organization.
4. Design a Group Policy structure that meets the needs of an organization.
5. Design an administrative structure that meets the needs of an organization.
6. Design a physical network structure that supports Active Directory and meets the needs of an organization.
7. Design a Dynamic Host Configuration Protocol (DHCP) structure that supports Active Directory and meets the needs of an organization.
8. Create a design for network connectivity that supports Active Directory and meets the needs of an organization.
9. Design a name resolution strategy that supports Active Directory and meets the needs of an organization.
10. Design a network access infrastructure that supports Active Directory and meets the needs of an organization.

Major Topics

- I. Introduction to Designing an Active Directory and Network Infrastructure
- II. Designing a Forest and Domain Infrastructure
- III. Designing a Site Infrastructure
- IV. Designing the Administrative Structure
- V. Designing for Group Policy
- VI. Designing the Physical Network
- VII. Designing for Network Connectivity
- VIII. Designing a Name Resolution Strategy
- IX. Designing the Network Access 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 70-297.