

COURSE OUTLINE

MSFT-210

Administering Microsoft Windows 2000 Network Infrastructure

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course is designed to give students the knowledge and experience to install, configure, manage and support a network infrastructure that uses the Microsoft Windows 2000 Server product. Prerequisite: MSFT-205 or MSFT-206. (3 hours lecture, 1 hour lab)

Overall Course Objectives

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

1. Configure the Dynamic Host Configuration Protocol (DHCP) Server service.
2. Configure the Domain Name System (DNS) Server service.
3. Configure Windows Internet Name Service (WINS).
4. Configure network security protocols.
5. Configure the Windows 2000 Routing and Remote Access.
6. Manage and troubleshoot Routing and Remote Access configuration.
7. Integrate Remote Authentication Dial-In User Service (RADIUS) with Routing and Remote Access.
8. Configure connectivity between network segments.
9. Configure Internet access for a network.
10. Configure a Web server.
11. Configure a Remote Installation Services (RIS) server.
12. Integrate network services.
13. Manage the operation of a Windows 2000 network from a central location.
14. Identify and resolve network connectivity problems by using Windows 2000 troubleshooting tools and utilities.
15. Enable network connectivity among NetWare, Macintosh, and UNIX networks.

Major Topics

- I. Introduction to Microsoft Windows 2000 Networking Infrastructure
- II. Automating Internet Protocol (IP) Address Assignment
- III. Implementing Name Resolution Using DNS
- IV. Implementing Name Resolution Using WINS

- V. Configuring Network Traffic Security and Cross-Platform Authentication
- VI. Configuring Remote Access to a Network
- VII. Supporting Remote Access to a Network
- VIII. Extending Remote Access Capabilities Using RADIUS
- IX. Configuring Windows 2000 as a Network Router
- X. Configuring Internet Access for a Network
- XI. Configuring a Web Server
- XII. Deploying Windows 2000 Professional Using Remote Installation Services
- XIII. Integrating Windows 2000 Network Services
- XIV. Managing a Windows 2000 Network
- XV. Troubleshooting Windows 2000 Network Services
- XVI. Configuring Network Connectivity Between Microsoft Windows 2000 and Other Operating Systems

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 2000.