Common Course Outline
DCOM 202
Windows Server
4 Credits

The Community College of Baltimore County

Description

DCOM 202 – 4 credits – Windows Server enables students to install, configure, manage, maintain, and troubleshoot a Windows Server in a Windows networking environment. Using a hands-on approach, students will install the operating system, install and configure TCP/IP, verify connectivity, install and configure Active Directory domain controllers, create and configure user and group accounts, assign file and directory permissions to users and groups, create and format disk partitions, setup disk mirroring, monitor and optimize server performance and network performance, install and configure Domain Name Service (DNS) and Dynamic Host Configuration Protocol (DHCP), setup network printing, perform remote administration, and troubleshoot common networking problems. This course helps students prepare for the Microsoft certification exam.

4 Credits
Co-requisites: DCOM 141, DCOM 101, or DCOM 201 or consent of the program coordinator

Overall Course Objectives

Upon completion of this course students will be able to:

1. perform local, network, and unattended installations;
2. create disk partitions and file systems;
3. assign file permissions to users and groups;
4. install and configure Active Directory domain controllers;
5. create and configure user accounts;
6. create local, global, and universal groups;
7. configure group policies;
8. install and configure TCP/IP;
9. install and configure DNS and DHCP;
10. setup network security;
11. configure automatic updates;
12. setup network printing and network print servers;
13. monitor and optimize server and network utilization; and
14. troubleshoot common network problems.

Major Topics

    I. Server installation
    II. Remote server administration
    III. Network connectivity using TCP/IP
    IV. Network monitoring and performance optimization
    V. Automation of operating system updates
    VI. DNS installation and management
    VII. Active Directory installation and configuration
    VIII. User account management
    IX. Local, global, and universal group configuration
    X. Shared and mapped network drives
    XI. File and directory permissions
    XII. Network printing
    XIII. Disk management
    XIV. Troubleshooting
    XV. Disaster recovery

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

- Minimum of three exams

Written Assignments: The individual faculty member will determine specific writing assignments. Students are required to utilize appropriate academic resources.

Other Course Information

This course is a program requirement for the Microsoft option in the Associate of Applied Science degree in Network Technology.