

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
CIS 242S CONFIGURING MICROSOFT WINDOWS SERVER
3 CREDIT HOURS

COURSE DESCRIPTION

Provides students with the knowledge and skills to successfully plan, install, and configure a Microsoft Windows Server. Focuses on a Windows Server installation, configuration, implementation, and virtualization. Managing of network services required for operation of a server/client network is also covered. Prepares students for the corresponding Microsoft Certification exam. Prerequisite: CIS 211S with a grade of “C” or better, A+ certification, or department approval. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
1	1. Select and install server operating systems.	3
5	2. Develop user and computer accounts.	6
5	3. Create group policy.	7
5	4. Develop access to objects in organizational units.	8
5	5. Formulate IP addresses in a multiple subnet network.	5
5	6. Create and configure virtual machines.	5
5	7. Create and configure virtual networks.	5
5	8. Plan and deploy network services.	8
3	9. Prepare and install domain controllers.	7

CORE VALUES

The Core Values are a set of principles that guide Edison State Community College in creating its educational programs and environment. They will be reflected in every aspect of the College. Students' educational experiences will incorporate the Core Values at all levels, so that a student who completes a degree program at Edison State Community College will not only have been introduced to each value, but will have had them reinforced and refined at every opportunity.

TOPIC OUTLINE

1. Install servers
2. Configure servers
3. Configure local storage
4. Configure file and share access
5. Configure print and document services
6. Configure servers for remote management
7. Create and configure virtual machine settings
8. Create and configure virtual machine storage
9. Create and configure virtual networks
10. Configure IPv4 and IPv6 addressing
11. Deploy and configure the DHCP service
12. Deploy and configure the DNS service
13. Install domain controllers
14. Create and manage active directory users and computers
15. Create and manage active directory groups and organizational units
16. Create group policy objects
17. Configure security policies
18. Configure application restriction policies
19. Configure windows firewall