

Spokane Falls Community College
COURSE LEARNING OUTCOMES AND OUTLINE

Prefix and Course Number
Course Title

ISIT 410
ENTERPRISE SERVER ADMINISTRATION

Last Modified: Fall 2016

Course Learning Outcomes

By the end of this course, a student should be able to:

- Plan and troubleshoot a secure network access strategy
- Plan and implement an Active Directory Domain Services deployment that includes multiple domains and forests.
- Plan and implement an Active Directory deployment that includes Domain Services, Certificate Services, Rights Management Services, and Federation Services.
- Implement and validate high availability and load balancing by implementing NLB
- Deploy and manage Hyper-V virtual machines.
- Implement a failover cluster, and configure and validate a highly available network service.
- Implement a backup and disaster recovery solution based on business and technical requirements

Course Outline

- I. Plan and implement a business continuity strategy in a current Windows Server environment.
- II. Plan and implement a server monitoring strategy using the current Windows Server tools and using current Microsoft System Center - Operations Manager.
- III. Plan and implement the network and storage infrastructure required to deploy a virtualized server infrastructure.
- IV. Plan and deploy virtual machines on Windows Hyper-V.
- V. Plan and implement a PKI deployment, and plan and implement a certificate management solution.
- VI. Plan and implement Dynamic Access Control, Workplace Join and Work Folders.
- VII. Plan and implement a highly available server infrastructure by using the failover clustering features in current Windows Server.