Course Prefix and Number: ITN 113

Course Title: Active Directory (Server 2012)

Course Description: Covers installation, configuration, administration, monitoring, and troubleshooting of Active Directory (Server 2012) components, DNS, Group Policy objects, RIS, and security. Prerequisite: ITN 111 or school approval. Lecture 4 hours per week.

General Course Purpose: Prepares students to manage and troubleshoot Active Directory and DNS in a networked environment. Can lead to industry certification.

Course Prerequisites and Co-requisites:
Prerequisite: ITN 111 - Server Administration (Server 2012) or school approval

Course Objectives:
Upon completing the course, the student will be able to:
  a. Plan and configure Domain Naming Service (DNS), zone transfers, and replication;
  b. Plan and configure Active Directory (AD) forests, trees, sites, and replication;
  c. Plan and configure AD Lightweight Directory Service (AD LDS);
  d. Plan and configure AD Rights Management Service (AD RMS);
  e. Plan and configure a read-only domain controller (RODC);
  f. Plan and configure AD Federation Services (ADFS);
  g. Create and maintain AD accounts;
  h. Plan and configure Group Policy Objects (GPOs);
  i. Plan, configure, and maintain account and audit policies;
  j. Monitor and manage AD backup and restore procedures;
  k. Manage, monitor, and troubleshoot AD services;
  l. Create, manage, and troubleshoot AD certificates; and
  m. Create, manage, and troubleshoot certificate services.

Major Topics to Be Included:
  a. DNS and Active Directory
  b. Active Directory infrastructure configuration
  c. Active Directory server role configuration
  d. Active Directory objects
  e. Group policies
  f. Account and audit policies
  g. Active Directory backup and restore
  h. Active Directory certificates
  i. Active Directory performance

Effective Date of Course Content Summary: January 1, 2013