Course Description
CTS2334 | Windows Identity Services | 4.00 credits
This course is intended for the student majoring in Information Technology (IT) as network support specialists and/or server administrators. The student will learn how to perform the advanced configuration tasks required to deploy, manage, and maintain a Windows Server infrastructure. In addition, the student will be eligible for industry certification. Recommended Preparation: CTS2303 and CTS2306 or equivalent knowledge.

Course Competencies:
Competency 1: The student will demonstrate how to install and configure Active Directory Domain Services (ADDS) by:
1. Installing and configuring domain controllers.
2. Creating and managing Active Directory users and computers.
3. Creating and managing Active Directory groups and organizational units (OUs).

Competency 2: The student will demonstrate how to manage and maintain Active Directory by:
1. Configuring service authentication and account policies.
2. Configuring and applying Password Setting Objects (PSOs).
3. Installing and configuring Read-Only Domain Controllers (RODC).
4. Configuring Universal Group Membership Caching (UGMC).
5. Transferring and seizing Operations Master Roles.
6. Configuring Domain Controller cloning.
7. Backing up and restoring Active Directory and the SYSVOL folder.
8. Performing Active Directory database optimization and maintenance.
9. Configuring a multi-domain and multi-forest Active Directory infrastructure.
10. Configuring trusts.
11. Configuring sites.
12. Managing Active Directory and SYSVOL replication.

Competency 3: The student will demonstrate how to create and manage Group Policy by:
1. Creating, configuring, and managing group policy objects (GPOs).
2. Delegating administrative control of group policy.
3. Configuring group policy processing.
4. Configuring Group Policy settings.
5. Configuring Group Policy preferences.
6. Verifying and troubleshooting group policy.

Competency 4: The student will demonstrate how to implement Active Directory Certificate Services (ADCS) by:
1. Installing and configuring Active Directory Certificate Services (AD CS).
2. Managing certificates.
3. Configuring and managing key archival and recovery.

Competency 5: The student will demonstrate how to implement Identity Federation and Access solutions by:
1. Installing and configuring Active Directory Federation Services (AD FS).
2. Implementing Web Application Proxy (WAP).
3. Installing and configuring Active Directory Rights Management Services (AD RMS).

Competency 6: The student will demonstrate workplace-readiness skills by:
1. Following oral and written instructions.

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2. Participating in group discussions as a member and as a leader.
3. Demonstrating self-motivation and responsibility to complete an assigned task.
4. Choosing appropriate actions in situations requiring effective time management.
5. Applying principles and techniques for being a productive, contributing member of a team.
6. Identifying and discussing intellectual property rights and licensing issues.
7. Identifying and discussing issues contained within professional codes of conduct.
8. Preparing, outlining, and delivering a short oral presentation.
9. Preparing visual material to support an oral presentation.
10. Using appropriate communication skills, courtesy, manners, and dress in the workplace.
11. Performing research on technical issues using Internet and database resources.
12. Documenting problems and solutions in service reports and maintaining support records.

Learning Outcomes:
1. Information Literacy
2. Numbers / Data
3. Social Responsibility
4. Communication
5. Computer / Technology Usage
6. Critical Thinking