



Course Description

CGS2172 | Implementing a Commerce-Enables Website | 4.00 credits

Students will learn to implement, support, maintain, optimize, and troubleshoot Web sites using Microsoft Site Server, focusing particularly on electronic commerce (e-commerce) sites. A.S. degree credit only. Laboratory fee. Prerequisite: COP2823 or CTS2463. Recommended Preparation: CGS2547.

Competency 1: The student will demonstrate the ability to install Microsoft Site Server by:

1. Listing the hardware and software requirements needed to install Site Server
2. Planning a Site Server installation
3. Installing the product and verifying it is installed
4. Explaining the various options presented during Setup
5. Describing the state of the server after installation, explaining what has changed in the Start menu, file system, security system, and list of running services
6. Running the three primary administrative tools
7. Assigning administrative privileges

Competency 2: The student will demonstrate the ability to organize content across an intranet by:

1. Describing how Site Server intranets are organized
2. Using metadata to organize content
3. Listing the features of the Membership directory
4. Using the Tag Tool
5. Using and editing the site vocabulary
6. Using Rule Builder and Rule Manager

Competency 3: The student will demonstrate the ability to publish and manage content by:

1. Explaining how content management works
2. Building a content management Web site
3. Maintaining the site

Competency 4: The student will demonstrate the ability to deploy content by:

1. Explaining how content deployment works
2. Configuring servers
3. Configuring content deployment projects
4. Deploying content to the project source
5. Securing a content deployment server and its projects (operators, authentication, etc.)
6. Managing deployment

Competency 5: The student will demonstrate the ability to search for content by:

1. Explaining how Search works
2. Comparing Search and Index Server
3. Configuring Search
4. Securing Search
5. Planning catalogs
6. Building and managing catalogs

7. Submitting queries
8. Building Search pages
9. Optimizing performance

Competency 6: The student will demonstrate the ability to secure content with Membership Server by:

1. Explaining how the Membership system secures Site Server
2. Selecting the appropriate Membership authentication method for a given situation
3. Selecting the appropriate Membership server type (intranet or Internet)
4. Managing and configuring the Membership directory (users, groups, and objects) with Management Console and Web Administration
5. Enabling Membership security for Web servers
6. Planning Web site security with Membership
7. Performing basic troubleshooting when authentication fails

Competency 7: The student will demonstrate the ability to deliver content with Active Channel Server and Active Channel Multicaster by:

1. Explaining how Active Channel Server provides a channel of content to Microsoft Internet Explorer 4.0 clients.
2. Creating Active Channel projects
3. Creating channels of content for users (Web pages, files, Open Database Connectivity content, etc.)
4. Creating and distributing software packages
5. Configuring channel agents (search, database, etc.) to automatically update the channels
6. Multicasting channels to users on an intranet
7. Monitoring Active Channel Server (using the server event log, client browser usage logs, etc.)

Competency 8: The student will demonstrate the ability to manage information with Knowledge Manager by:

1. Explaining how Knowledge Manager shares information among a group of users
2. Using briefs and sections
3. Preparing Knowledge Manager for use on an intranet
4. Maintaining Knowledge Manager

Competency 9: The student will demonstrate the ability to analyze web site usage by:

1. Specifying the benefits of using Analysis to analyze site content and usage
2. Analyzing web site usage with Usage Import
3. Enhancing Web site log files with additional data using Custom Import
4. Creating and distributing reports
5. Scheduling data imports and reports to occur automatically
6. Managing the Analysis database

Competency 10: The student will demonstrate the ability to analyze web site content by:

1. Explaining how Content Analysis works
2. Building projects
3. Using Content Analyzer windows and panes
4. Managing links
5. Using content effectively

Competency 11: The student will demonstrate the ability to create web sites with Customizable Starter Sites by:

1. Selecting a Customizable Starter Site for a given situation
2. Making basic content modifications to a Customizable Starter Site

3. Deploying a site with Site Configuration Desk
4. Securing the site after building it
5. Tracking site usage

Competency 12: The student will demonstrate an understanding of how to integrate Site Server features by:

1. Describing the individual elements of Site Server and their functionalities
2. Explaining how the various features of Site Server work together

Learning Outcomes

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Use computer and emerging technologies effectively