

Website Application Programming Certificate

Revised

Certificate Number 90-152-2

Description:

Website Application Programming is designed for individuals interested in developing database skills necessary to integrate web technologies. All credits from this certificate can be applied to meet requirements in the E-Business Technology Specialist associate degree program.

Requirements for Certificate Entry:

A strong computer and business background. Experience doing HTML coding or completion of Website Coding course (10-152-185).

Certificate Completers Will be Able to:

- Develop, build, and configure a web application to work with an application server.
- Create a database design and effective interface to support a web application.

Curriculum

CATALOG #	DESCRIPTION	CREDITS
10-150-144 <i>Offered in:</i> <i>Fall 2008</i> <i>Spring 2009</i>	Network: Operating System Fund... installation of Windows client, Windows Server and Linux Server operating systems. Basic networking topologies and protocol fundamentals. Application installation including Simple Mail Transport Protocol, File Transfer Protocol, and Web server technologies.	3
10-152-180 <i>Offered in:</i> <i>Spring 2009</i>	Web: Client Script-Javascript... integrate Javascript into interactive HTML pages, create user-defined functions, complete form validation, use objects within the Document Object Model, manipulate cookies, create image rollovers, debug code, and test browser compatibility. (Prerequisite: 10-152-185, Website Coding)	3
10-154-125 <i>Offered in:</i> <i>Fall 2008</i> <i>Spring 2009</i>	Web: Database Development... web database uses, analyzing information requirements, file organizations, data models, entity relationships, normalizing data, database management systems, development environments, web connectivity, creating tables, writing queries and file maintenance using SQL.	3
10-152-184 <i>Offered in:</i> <i>Spring 2009</i>	Web: Programming-SQL... write queries in a relational database: creating tables, setting primary /foreign keys, populating tables, manipulating data and reporting. Explore join types, stored procedures, functions, and database administration SQL statements. (Prerequisite: 10-154-125, Web: Database Development)	3
10-152-181 <i>Offered in:</i> <i>Spring 2009</i>	Web: Server Side Scripting-MS... operating system installation, update, configuration for the web environment including: IIS configuration, Active Server Page (ASP) configuration, basic and intermediate HTML, basic/intermediate ASP, manipulating ODBC compliant databases using ASP. (Prerequisites: 10-152-185, Website Coding, 10-150-144, Network: Operating Systems Fundamentals, 10-152-184, Web: Programming-SQL)	3
OR		
10-152-182 <i>Offered in:</i> <i>Fall 2008</i>	Web: Server Side Script-Unix... operating system installation, update, configuration for the web environment including: Apache configuration, PERL configuration, basic and intermediate HTML, basic and intermediate PERL, and manipulating ODBC compliant databases using PERL. (Prerequisites: 10-152-185, Website Coding, 10-150-144 Network Operating Systems Fundamentals, 10-152-184, Web: Programming-SQL)	3

Certificate Total **15**

For more information, please contact: The Business & Information Technology Division, (920) 498-5435 or (800) 422-NWTC, extension 5435, or contact Donna Meves, Flexible Learning Manager, (920) 498-6872 or (920) 498-5431, donna.meves@nwtc.edu