

# WEB DEVELOPMENT Certificate

Web developers make sure a website is well developed and optimized to satisfy search engines and customers. It takes good knowledge of high design principles, usability guidelines and the latest web development technology. This certificate is designed for those who are looking for a career change and who have mastered the essentials of basic computer applications.

**Register for the entire certificate and save 15%!**

## Web Development Concepts 0.84 CEU, \$199

*Prerequisite: Knowledge of HTML.*

Learn how to strategically plan and implement a web site from a developer's perspective. Discuss the advantages and disadvantages of using different servers, operating systems, and protocols for personal web pages to large-scale commercial sites. Topics include: toolsets, object models, Web hosting, server types, DNS, TCP/IP, protocol implementation, Internet architectures, form processing, and database support and connectivity.

## HTML I 0.84 CEU, \$199

*Prerequisite: Word Basic or equivalent experience.*

Level 1 is Learn to design and create web pages using HyperText Markup Language (HTML). Create and format your own fully functional web site using text, images, hyperlinks, and tables. Explore the differences, between web design and web development in this important foundational course.

## HTML II 0.84 CEU, \$199

*Prerequisite: Knowledge of HTML.*

Build upon basic HTML concepts to add pizzazz and functionality to your own web site. Use frames, forms, nesting tables, and scripts to enhance your web page in this hands-on workshop.

## JavaScript Introduction 1.68 CEU, \$299

*Prerequisite: Knowledge of HTML.*

This project-orientated class will give students a thorough introduction to the JavaScript language. JavaScript is an ideal language. JavaScript is an ideal language for performing the client-side processing of web applications topics include: JavaScript data types and operators, decision making control structure form validation, script debugging, CSS, and HTML.

## XML Introduction 0.84 CEU, \$199

*Prerequisite: HTML Fundamentals or equivalent experience.*

This course will introduce what XML is, how XML works, what technologies surround XML including XML Schema, XML Document Object Model (DOM), XPath and XML Style sheet Transformation Language (XSLT).

## SQL Introduction 0.84 CEU, \$199

*Prerequisite: Knowledge of HTML.*

This course will introduce the concept and syntax for executing queries using Structured Query Language (SQL). Student will design relational database, write simple to complex SQL queries to manipulate data.

## ASP.Net I: Web Application Basics 2.52 CEU, \$599

*Prerequisite: Knowledge of HTML.*

This course will introduce how to develop ASP.NET 2.0 Web applications using Visual Web Developer 2005 and focuses on user interface, Web site structure and functionality, and implementation details. Scripts will be written using VB.NET programming language. Students will create Web pages, explore Web Server controls and learn to use the "Code behind the Page" techniques to implement application logic.

## ASP.Net II: Data Access & Display 0.84 CEU, \$299

*Prerequisite: ASP.net I: Web Application Basics.*

This course is a continuation from ASP.NET 2.0 Web Application Basic and student will learn how to create dynamic Web pages that interact with database, access and update data in a database by using ADO.NET, and display that data on the screen using Web Server controls such as GridView.

\* Prices, course and certificate information are subject to change. Please refer to our website at [www.nhcc.edu/cect](http://www.nhcc.edu/cect) for current information.



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