



## Extended Studies & Workforce Education Division Norwalk Community College Web Design Certificate Program

The demand for individuals who can design for the World Wide Web (WWW) is continuing to grow dramatically. The certificate program will provide students with the tools needed to enter this expanding and exciting industry.

Students must successfully complete the courses below to earn a certificate of completion.

<u>Course</u>	<u>Total Hours</u>	<u>Total Sessions</u>	<u>Tuition*</u>	<u>Textbook</u>
1. Web Development & Design I**	Online	Online	\$620.00	Additional Fee
2. Web Development & Design II**	65	28	\$711.00	Additional Fee
3. Introduction to Programming	Online	Online	\$620.00	Additional Fee
4. Web Development with PHP**	Online	Online	\$620.00	Additional Fee

\*Tuition subject to change.

\*\*This course is also available as a Credit Division class and tuition may vary.

*Please refer to the Extended Studies & Workforce Education current catalog for course specifics (tuition, start date, class time slot and location).*

### Web Development & Design I

This course provides an entry into the fast moving website development industry. With its heavy hands on mode of delivery, students will learn XHTML, Cascading Style Sheets, and be exposed to JavaScript. Adhering to the standards specifically from the World Wide Web Consortium (W3C) and the European Computer Manufacturers Association (ECMA) will play a dominant role in the creation of web pages that are both platform and browser independent.

Pre-requisite: Basic computer functionality.

### Web Development & Design II

As a continuation of Web Development and Design I, this course focuses exclusively on JavaScript as the de facto scripting language of the web. Students will write standards based scripts that manipulate elements of the browser window and use JavaScript to create Active Server Pages (ASP) that execute on a web server. This class prepares students to pass the ASP Certificate test administered by W3Schools.

Pre-requisite: Web Development and Design I

### Introduction to Programming

This course covers fundamentals of programming and program development techniques. Topics include data types, functions, storage class, selection, repetition, pointers, arrays, and file processing. Programming laboratory projects in a closed laboratory environment are supervised by the instructor (three hours lecture; two hours of laboratory).

Prerequisite: Intermediate Algebra

### Web Development with PHP

This course will introduce students to web development using PHP. Students will learn how to design web sites according to the MVC model. Object-oriented PHP will serve as the means by which the model component of the MVC-based web application is implemented. Session management will be used to deliver customized content. Students will also use the MySQL database in conjunction with PHP to create dynamic web applications. 3 hours lecture, 2 hours lab.

Prerequisite: CSC 108 Introduction to Programming or CSC 207 Introduction to VB.NET.

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