WEB DEVELOPMENT

DEVELOP THE WEB SKILLS YOU NEED IN OUR ONLINE CERTIFICATE PROGRAM

Knowing how to design and build functional websites is a huge asset in almost every industry today. Current skills in website/web app development, web programming and database design and development are in high demand. Whether you want to start a career in IT, just learn how to build a cool web app—or somewhere in between—get the education you need at UC Davis Extension.

UC Davis Extension’s online Web Development Certificate Program gives you the foundational skills, experience and connections to thrive in this rapidly growing field. You’ll learn core languages and technologies from both the client and server side. You’ll also learn key non-technical skills like project management to impress employers and succeed in any web development environment.

COMPLETE THE CERTIFICATE IN AS LITTLE AS 9 MONTHS!

The online certificate program consists of five required courses and can be completed in three academic quarters. Individual courses can also be taken as standalone classes.

DESIGNED FOR PROFESSIONALS LIKE YOU

This in-depth program is designed for individuals interested in learning current technologies and tools used to develop and design websites for professional or personal use. Individuals with little or no experience in web development or those looking to brush up on their skills, including web professionals, graphic designers, multimedia designers and marketing professionals looking for current web development skills, will benefit from this program.

LEARN WHEN AND WHERE YOU WANT

Produced by the award-winning educational design team at UC Davis Extension, this online program offers high-quality instruction from industry experts in an engaging multimedia format that leverages screencasts and interactive graphics to illustrate key concepts.

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FAST TRACK CERTIFICATE OPTION

Our 9-Month Fast Track option is a convenient way to accelerate your training and quickly advance your career.

• Complete your certificate program in just 9 months
• Save 15% with our pre-pay pricing option

When you choose the Fast Track option, we automatically enroll you in two classes per quarter for your first two quarters and then the capstone course in your final quarter.

ADDITIONAL INFORMATION

Course schedules, fees and enrollment information
extension.ucdavis.edu/webdevelopment

Questions?
(800) 752-0881 or extension@ucdavis.edu
REQUIRED COURSES

Creating Functional Websites
Design and build your own professional and attractive web pages. Learn the basics of hypertext markup language (HTML), how to code in HTML and how to work with HTML editors. Discover how to construct your own web pages by using the concepts involved with CSS and HTML5, including such fundamentals as lists, menus, hyperlinks, images, forms, tables, frames and other customizable parts. Explore the creation and production processes involved in website development by examining web interface technologies and their applications.

Web Programming with JavaScript
Once you have an understanding of how to build static web pages, learning JavaScript is the next step in creating dynamic interactions with your web pages. Because JavaScript is built into web browsers, learning it requires no extra software tools. Gain an introduction to the power of JavaScript and discover how to create usable, interactive pages that can respond to the web browser and user input. Examine techniques for controlling the web browser and user environment. Although a programming background is helpful, it’s not a requirement for learning the powerful features of JavaScript. While this is not specifically a programming course, students will learn a great deal about programming while learning JavaScript.

Server Side Scripting with PHP
Transform basic websites into interactive experiences with server side scripting languages. Server side scripting languages allow you to create dynamic web pages driven by programming logic, data from databases and server files, or content based on user input. Learn PHP, the most commonly used server side programming language, to create interactive web pages.

Database Design, Development and Management
Gain an introduction to the basics of modern database terminology, architecture, design and creation, as well as how to access stored data. Acquire the skills to describe the functions of a database management system and its internal components, and construct logical data models for the implementation of a specific database requirement. Students will also learn how to code simple SQL statements to create, retrieve, update and delete data values stored in a relational database.

Creating Web Applications with AJAX
AJAX has been described as “the special sauce” that makes Web magic happen. In reality, it’s a combination of technologies working together to create highly interactive web content. AJAX combines HTML5, CSS, JavaScript and server side scripting, to allow fully dynamic page content without the need to reload pages in the browser, including database-driven content. Learning AJAX combines the skills learned in HTML5, CSS, JavaScript, Database Development and PHP into a complete package, allowing you to build any type of website you need.

“I loved this online class [Creating Functional Websites]. I was able to work on my projects at any time of the day. The discussion groups were valuable, too.”
—Elinor Bickell

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