

# Introduction to Web Development

## What Can You Expect?

This course helps students gain basic HTML5/CSS3/JavaScript programming skills. The course focuses on using HTML5/CSS3/JavaScript to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured applications.

**Duration** – 5 Days

## What Is Required From You?

You should be able to read and write in English. ABET or equivalent knowledge or qualification. You should have completed Computer Literacy and possess Web Technologies knowledge prior to attending this course.

## Course Content

### Web Design Essentials

Web Design Basics  
Web Design Enhancements

### HTML5

Introduction to HTML5  
HTML5 Layout  
HTML5 Forms  
HTML5 and CSS3  
HTML5 Layout with CSS3  
HTML5 and Advanced CSS3  
HTML5 and JavaScript  
Advanced HTML5  
Advanced Features of JavaScript, CSS3 and HTML5

### CSS3

Creating Styles with CSS3 and Styling Text  
Styling Page Elements using CSS3 Styling  
Navigation Elements and Animations with CSS3  
Forms, Positioning, and Layout with CSS3

Advanced Options, Responsive Web Design, and Management with CSS3  
Extending CSS3 with Sass and Less

### JavaScript Essentials

JavaScript Essentials: Getting Started  
JavaScript Essentials: Language Features  
JavaScript Essentials: JavaScript In Depth  
JavaScript Essentials: Basic Browser Interaction  
JavaScript Essentials: Date and Math Functions  
JavaScript Essentials: Working with Strings  
JavaScript Essentials: Working with Page Elements  
JavaScript Essentials: Dynamic Content and HTML5  
JavaScript Essentials: Dynamic JavaScript Code  
JavaScript Essentials: Input and the Mouse

### Responsive Web Design

Responsive Web Design: Flexible Grids, Images, and Media Queries  
Responsive Web Design: Flexible Data and UIs, Devices, Process and Performance

## What Will I Take Back To Work With Me?

By the end of this course you'll be able to describe the structure and functionality of the world wide web, create dynamic web pages using a combination of HTML, CSS, and JavaScript, apply essential programming language concepts when creating HTML forms, select an appropriate web hosting service, and publish your webpages for the world to see. Finally, you'll be able to develop a working model for creating your own personal or business websites in the future and be fully prepared to take the next step in a more advanced web development or design course or specialisation.

