

# HTML and CSS -

Course Length: 16 hrs

## Building and Styling Web Pages

### Overview

When it comes to making websites and apps, many resources out there do much of the design and coding work for you. This allows you to quickly develop web pages without understanding, or needing to understand, the structure and content of the files. In addition, being text files, the HTML and CSS files of websites and apps are easily accessible and edited. This course is designed to give you an understanding of what these files are, how they relate to each other, and what they contain so you will be able to edit them without breaking anything.

### Audience

This course is designed for GIS professionals who want to understand how HTML and CSS control the look and feel of websites and web apps.

### Topics Covered

- Building a Website – Describing the components of a website and how those files work together to display content and control user interaction (Website Components and Files; HTML; Integrated Development Environment; Visual Studio Code; Building a Web Page; Parts of a Web Page; Semantic Code; Block- vs. Inline-Level Elements; )
- Common HTML Elements – Learning the details of frequently used HTML elements. (Common HTML Elements Including URL, vE-Mail Links, and Images; Divisions; Spans; Lists; HTML Tables; Understanding the HTML Box Model)
- Additional HTML Elements – Learning the details of more complex HTML elements. (Incorporating Audio and Video Files; Adding and Captioning Figures; Using Inline Frames; Building HTML Forms)
- Formatting a Web Page – Describing CSS and how CSS works in partnership with a web page. (CSS Purpose and Structure; CSS and HTML; CSS File Structure; CSS Rules; CSS Hierarchy; Styling HTML Elements: Colors, Margins, Padding, Typography, Text)
- More Styling Options – Understanding the details of additional styling options. (Class Selectors; ID Selectors; Using CSS to Control Element Layout)
- CSS Best Practices – Learning best practices for writing CSS. (Using Combined Selectors; Universal Selectors; CSS Tools, and Resources for Learning More)

## **Format**

In-person instruction with hands-on practice and course materials you can keep.

## **Prerequisites and Recommendations**

Attendees should know Microsoft Windows®.