

### Who should attend (Audience)

This course is designed for Software Developers and other IT Professionals with experience in HTML, CSS, and JavaScript who are interested in updating their sites to take advantage of the latest innovations in Web standards.

### Duration

4 Days

8 AM-4 PM Central Daily

### Course skill level

✓ **Foundation**

- Intermediate
- Advanced

### This course qualifies for

2.4 CEUs

23 NASBA CPEs

### Technology used during course

- AnyWare Classes use Zoom
- SkyTap Virtual Machines
- Computing Sandbox

### What is this course about?

HTML5 empowers web developers to enhance the User Experience (UX) across all devices, from legacy desktop browsers to the latest smartphones and tablets. In this course, you apply best practices and emerging standards for HTML markup, CSS styling and JavaScript programming to upgrade your web applications, improving site performance, accessibility and Search Engine Optimization (SEO) along the way.

### Recommended prerequisites

- [T469 - Introduction to HTML and CSS](#)

### Previous knowledge & experience needed

- JavaScript experience is required
- Experience developing web pages with HTML and CSS is assumed.

## Course Details

### Chapter 1: Advancing Web Standards to the Next Generation

- Keeping up with HTML5
- Enhancing a website with HTML5

### Chapter 2: Improving Accessibility and Search Engine Optimization

- Improving Semantics
- Compartmentalizing Content
- Maximizing Compatibility
- Leveraging Microdata

### Chapter 3: Perfecting User Input with New Form Controls

- Guiding Users
- Improving User Input

### Chapter 4: Enhancing Site Design with CSS3

- Enhancing Borders and Backgrounds
- Advanced Effects
- Web Fonts
- Media Queries

### Chapter 5: Developing HTML5 Applications with JavaScript

- Improving JavaScript Code
- Dynamic HTML with jQuery
- Storing Simple Data on the Client
- Persisting Complex Data

### Chapter 6: Providing Relevant Content Offline and with Geolocation

- Working Offline
- Geolocation

### Chapter 7: Enhancing Forms with JavaScript and Drag-and-Drop

- Feature Detection and Lazy Loading
- Rich-Text Editing
- Processing Files

### Chapter 8: Exchanging Data between Windows, Computers, and Processes

- Cross-Document Messaging
- Accessing Different Origins
- Pushing Data to Clients
- Improving Responsiveness

### Chapter 9: Dynamic Drawing with Canvas and SVG

- Figures and Canvas
- SVG

### Chapter 10: Engaging Users with Audio and Video

- Enhancing a Website with Audio
- Adding Video to a Website

### Chapter 11: Chapter Summary

## Common Questions – Attendance Policy, Contacts

### **What is the Attendance Policy for IT Academy Classes?**

IT Academy attendees are expected to adjust their work schedule to match the IT Academy class hours of 8:00am – 4:00pm. 100% attendance is expected in each IT Academy class. Missing time in class may result in the following:

- No Show=Employees who do not show up for class or arrive more than one (1) hour after the start of class will be advised to reschedule for the next available course.
- Incomplete=Employees missing a half day or more of class-any day of class-will be advised to reschedule for the next available course. Employees not available to sit for the post-test will be considered incomplete.

### **AnyWare Technical Support contact?**

AnyWare@LearningTree.com, 1-877-653-8733

### **IT Academy Classroom Point of Contact?**

Christopher Marsh, Christopher.marsh@tn.gov, 615-532-5517

### **How do I access the new My IT Academy Portal?**

1. Log into Edison
2. ELM Learning Home Page
3. Quick Links
4. My IT Academy (last link under Quick Link)

### **For more FAQs visit the IT Academy AEM Site**

<https://www.teamtn.gov/sts/sts-employee-engagement/itacademytn/it-academy-toolkit/faqs.html>