



## Front-End Web Developer

### The Front-End Web Developer Program

The Front-End Web Developer with Ruby on Rails program is designed to prepare students to function as web application developers in multiple technical, business, and healthcare settings. Web developers serve roles with job titles such as Web Site Developers, Web Applications Developers, Web Designers and Web Masters.

The purpose of this program is to prepare students to design and develop websites, design and develop web applications so that users can perform specific tasks, and maintain websites so they continue to meet user needs. This course covers the following key areas and topics:

- The Web: Understanding how the Web works, how it is structured, how it is coded, and how common web tools are used for specific purposes
- Web Design: Designing websites using appropriate fonts, text blocks, lists, tables, links, colors, images, and multimedia
- CSS: Designing web pages using Cascading Style Sheets
- Dynamic Sites: Designing dynamic websites using JavaScript, DOM, and other tools
- JavaScript Programming: Using third-party JavaScript and JQuery to create dynamic website functioning
- Web Applications: Using Ruby on Rails to develop effective web applications allowing website users to perform specific tasks on websites

### Education & Certification

- Student should have or be pursuing a high school diploma or GED.
- Students who complete this program this comprehensive course would be prepared to sit for the **Microsoft Technology Associate (MTA) 98-375: HTML5 Application Exam** national certification examination.

### Detailed Course Topics Covered

- Creating a basic website using HTML, CSS, styles, HTML elements, and links, video, and images
- Installing and configuring JavaScript
- Using basic JavaScript syntax including conditional statements and loops to develop web applications
- Using basic JavaScript syntax including arrays array methods, strings, and expressions
- Using functions and function programming in JavaScript
- Using JavaScript object, prototype properties, and use of objects as namespaces to avoid name conflicts, and creating anonymous objects
- Installing, configuring, and using JQuery
- Deploying web applications; Eclipse, Java, and Tomcat
- Understanding Ajax and its relationship to jQuery
- Performing unit testing with JsUnit
- Downloading, configuring, installing, and using common jQuery widgets
- Using Git and GitHub in Web Development
- Installing Ruby on Rails (RoR) and setting up developing environment
- Using RoR to develop a variety of static and dynamic web applications
- Using RoR to create user models, user validations, secure passwords as well as create applications to allow user sign up, login, password reset, account activation, Microposts, and other functionality

### Front-End Web Developer

**Delivery:** Online self-paced, mentor support

**Hours:** 375

**Externship:** Optional Placement Available

**Tuition:** \$3,999

**MS Certification Exam Fee Included**

**Credential Achievement Guarantee**  
conditions apply



**ENROLL TODAY!**

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