

LOCATION: Online

## Web Development Using JavaScript with Remote Worker Certificate Program

### Program Description:

HTML, CSS & JavaScript are the primary technologies that make up today's Web world. This Web Development using JavaScript with Remote Worker certificate program is designed to show students to how the World Wide Web, internet and online applications work. This program teaches students the power of JavaScript (A language that is used by 94.9% of all websites that make up today's web) by building a web application using JavaScript and Node.js (Popular backend JavaScript framework).

This course not only helps students learn how to code using JavaScript, but also teaches the principles behind programming languages and web development so students have the skills to learn new frameworks and languages more quickly on the job in the future. This course will also cover how to perform duties as a Remote Worker.

### Program Details:

Students will participate in a learning environment that requires active participation. The overall program includes these components:

- CoreBuilders© Workplace Success Skills in Active Learning, Self-Leadership, Integrity, Teamwork, Communications, Human Behavior, Goals, Problem Solving, Digital Literacy and Career Management.
- Technical Area
  - Introduction to Software and the Web, Fundamentals of Web Technologies
  - HTML and CSS
  - Bootstrap Framework
  - JavaScript
  - Objects & Core Objects
  - Node.js
  - Manipulating the DOM
  - jQuery
  - Database basics
  - ORM Sequelize
  - AJAX and Asynchronous Coding
  - Git Source Code Version Control
- Working Remotely

In addition to Industry and Technical Competencies, the curriculum effectively addresses the Personal Effectiveness, Academic and Workplace Competencies (Tiers 1-3) of the DOL-ETA Competency Model Pyramid.

**Program Prerequisites:** 18 years of age or older, HS Diploma or equivalent, Internet access, strong computer user skills, some programming experience preferred, and a strong desire to learn.

**Contact Hours (including out of class work):** 300

**Delivery Format:** Online and Instructor Interaction

**Expected Award:** UCM Certificate of Completion and Remote Worker Certification

**Tuition:** \$4500 (includes, books, fees and exam costs if applicable)

**Additional Fees:** Laptop, \$400

For more information, visit [ucmo.edu/workforce](http://ucmo.edu/workforce)  
or contact us at [extstudies@ucmo.edu](mailto:extstudies@ucmo.edu).