

# Full-Stack Web Development Certificate

Become a full-stack web developer. This New York State-licensed program includes front-end development with HTML, CSS, and JavaScript; advanced layout techniques in Flexbox & Grid; and back-end development with Ruby on Rails.

Group classes in NYC and onsite training is available for this course. For more information, email [contact@nyimtraining.com](mailto:contact@nyimtraining.com) or visit: <https://training-nyc.com/certificates/full-stack-web-development>



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## Course Outline

This package includes these courses

- Web Development with HTML & CSS (18 Hours)
- Advanced HTML & CSS (18 Hours)
- Flexbox, Grid, & Bootstrap (12 Hours)
- Front-End Tools & Portfolio (18 Hours)
- JavaScript for Front-End (18 Hours)
- JavaScript Programming Bootcamp (120 Hours)
- JavaScript Development with Node, Express, & MongoDB (120 Hours)
- React Development Bootcamp (72 Hours)
- Web Development Industry & Portfolio (24 Hours)

## Web Development with HTML & CSS

In this web development course, you'll learn how to develop websites with HTML and CSS, the languages used to create webpages.

## Advanced HTML & CSS

Kick your CSS skills up a notch and learn how to code more complex layouts. In this CSS course, you'll master the positioning of elements (relative, absolute, fixed), create multi-column layouts, and learn about newer CSS3 transitions, transformations, and animations.

## Flexbox, Grid, & Bootstrap

- CSS Flexbox for laying out and aligning webpage content.
- CSS Grid for an entirely new way to think about laying out entire webpages.

- Learn how to use Bootstrap (which is made with Flexbox) to build out layouts quickly.

## Front-End Tools & Portfolio

- What Git is and how it works
- Installing and setting up Git to track changes in your code
- Using GitHub for collaboration with other developers
- Coding faster with Emmet and Visual Studio Code
- Start developing work for your portfolio with guidance from an expert developer

## JavaScript for Front-End

Give your websites a jolt of functionality and interactivity with JavaScript & jQuery. Learn to hide and show elements, customize animations, validate forms, and much more.

## JavaScript Programming Bootcamp

Learn the essentials of JavaScript programming to start creating web applications. You'll learn variables, functions, data types, asynchronous JavaScript, and more.

## JavaScript Development with Node, Express, & MongoDB

- Synchronous and Asynchronous JavaScript in Node.js
- The purpose of Node Package Manager (NPM)
- The fundamentals of starting an Express.js server
- The Integration of MongoDB (a NoSQL database)
- Authentication and server security
- API Development

## React Development Bootcamp

Build dynamic websites and applications with ReactJS and React Native. In this bootcamp, you'll develop several fully-functioning apps.

## Web Development Industry & Portfolio

How do you navigate the waters of finding employment as a developer? Where do I start? What do I need to know? What does a typical day look like in the web development industry? Take this course to get your questions answered and build your portfolio.