



Full Stack Developer with MEAN

The Full Stack Developer with MEAN Program

A Full Stack Developer is capable of designing both the front-end and the back-end of a web or software based application. The Front-End Web Developer program combined with MEAN Web Developer program 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 first portion of the program prepares students to design and develop websites and 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:

- Web Design: Designing websites using appropriate fonts, text blocks, lists, tables, links, colors, images, & 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

The second portion of this course introduces students to the back-end building dynamic web applications with MongoDB, Express, AngularJS, and Node.js. Students learn about essential JavaScript-based technologies, async programming, and MVC design techniques. Students also walk through establishing database connectivity and secure user authentication. Once complete, students will have the basic skills they need to create full-fledged JavaScript-based web solutions from server to browser and integrate all MEAN stack technologies into full working systems.

- Build the user interface using HTML5
- Format the user interface using CSS
- Install and configure all components of the MEAN stack
- Work with the JavaScript features all MEAN stack developers need to know
- Build AngularJS apps with directives, filters, MVC, and modules

Education & Certification

- Students should have or be pursuing a high school diploma or GED.
- Students who complete 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
- 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
- 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
- MEAN Stack Web Development
- Learning Angular JS
- Using MongoDB with NodeJS and AngularJS
- Using Git and GitHub in Web Development



ENROLL TODAY!
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Full Stack Developer with MEAN

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