

# **Javascript**

**Modality: On Demand**

**Duration: 9 Hours**

## **About this course:**

This 9-hour self-paced JavaScript course is designed to take the students from the fundamentals of JavaScript programming to advanced syntax, DOM, Event Handling and OOP. This course is critical for someone trying to get into web development and who want to gain advanced knowledge about JavaScript.

Three main coding languages or scripts rule the internet: HTML5, CSS3, and JavaScript. However, JavaScript stands apart from the other two, as there is still a debate whether HTML5 and CSS3 constitute languages. That said, all browsers have JavaScript interpreters built-in. Thus if you want to do anything on the web, you need to know JavaScript. What truly makes JavaScript special is that it is the language of interaction. Web developers use JavaScript to create user interactivity and ultimately make websites and other digital content more sophisticated and compelling. This is the reason JavaScript is a required proficiency for serious web developers who not only want to be professionally successful but also to become leaders in their craft. Fortunately, there is ample opportunity to learn JavaScript online, covering basic, intermediate, and advanced training in JavaScript.

The average salary for JavaScript Developer is **\$96,000** per year.

## **Course Objective:**

After completing this course, students will have a working understanding of:

- Development Platforms
- Popular Browsers
- Libraries, and Frameworks
- ECMA-262 (JavaScript Standardization)
- JavaScript Can Manipulate Markup
- Functions
- Built-In Object Methods
- Array Methods

## **Audience:**

This course is intended for:

- Anyone who has web development knowledge and experience based on HTML and CSS as a background, looking to enhance their career in web development through essential object-oriented programming language like JavaScript – for both front and back-end development.

## Prerequisites:

- It is expected that the learner will have good familiarity with HTML and CSS.

## Suggested prerequisites courses:

- [How to make a website HTML CSS for Beginners Course](#)

## Course Outline:

### Introduction

#### Module 1: Getting Started

- Lesson 1: Amazing Things You Can Do
- Lesson 2: Development Platforms
- Lesson 3: Popular Browsers
- Lesson 4: FireFox and Firebug Installation
- Lesson 5: Code Editors
- Lesson 6: Brackets IO Installation
- Lesson 7: Learning Tools
- Lesson 8: Additional Developer Tools
- Lesson 9: Libraries, and Frameworks
- Module Summary
- Knowledge Check

#### Module 2: What is JavaScript?

- What is JavaScript
- Lesson 1: In the Beginning
- Lesson 2: ECMA-262 (JavaScript Standardization)
- Lesson 3: Language Characteristics
- Lesson 4: Syntax Derived from C
- Lesson 5: JavaScript Versus Java
- Lesson 6: Little Language that Could
- Module Summary
- Knowledge Check

#### Module 3: Using JavaScript in HTML

- Using Javascript
- Lesson 1: JavaScript Placement Options
- Lesson 2: Choices in Code Placement
- Lesson 3: JavaScript Can Manipulate Markup
- Module Summary
- Knowledge Check

#### Module 4: Basic Syntax

- Lesson 1: Comments
- Lesson 2: Literals
- Lesson 3: Operators
- Lesson 4: Objects
- Lesson 5: Functions
- Lesson 6: Looping
- Lesson 7: Decisions
- Module Summary
- Knowledge Check

## **Module 5: Advanced Syntax**

- Lesson 1: Hoisting
- Lesson 2: Recursion
- Lesson 3: Closure
- Lesson 4: A Demo Closure Scope
- Lesson 5: B Demo Closure Animation
- Lesson 6: Built-In Object Methods
- Lesson 7: Array Methods
- Lesson 8: Some Strange Things
- Lesson 9: Strangeness Arrays
- Lesson 10: Unicode Identifiers
- Lesson 11: Varagrs
- Module Summary
- Knowledge Check

## **Module 6: DOM**

- Lesson 1: Accessing Elements
- Lesson 2: Manipulating Content
- Lesson 3: Manipulating Attributes
- Lesson 4: Manipulating Styles
- Lesson 5: Events Handlers
- Lesson 6: jQuery
- Module Summary
- Knowledge Check

## **Module 7: OOP**

- Lesson 1: Namespaces
- Lesson 2: Classes
- Lesson 3: Inheritance
- Module Summary
- Knowledge Check

## **Course Summary**