

Portland Code School

Fall 2013 Session

JavaScript and the Front End

Hours: 6pm-9pm, Tue/Thurs + 1 Saturday per month, 9am-4pm

If you are **brand new to coding**, or if you have dabbled in code, and you want to do it as a profession, this is the course for you! This course is designed to take students from zero experience to being able to **build interactive websites** from scratch, as well as debugging existing sites. Students will learn the basic languages of **HTML, CSS, and JavaScript** (including jQuery). The demand for JavaScript is so high right now, it's hard to describe.

Students will be provided reading materials, Treehouse accounts, and will be given access to the classroom from 9am-5pm M-F, as well as some Saturdays, leaving lots of time for independent and group learning. Students will primarily be **working and learning in groups** of 2-4 people.

Class time will total about **85 hours of class** time over 3 months.

The Saturdays that are scheduled learning times (1 Saturday each month) will primarily consist of **career development, portfolio building, and project time**. There will also be lectures on other related topics -- such as other languages, frameworks, etc. -- to round out the students' curriculum, and broaden their exposure to web development tools.

Integrating oneself into the **Portland tech community** is possibly the single best decision a new student can make. Forging connections and friendships by attending tech meetups and events is the best way to do this. We cannot force you to do this, but we will try (in a loving way :)

(See next page for outline of technical skills and topics covered during the session)

General Outline (may change slightly each session):

Week 1: Web Basics -- HTML5 and CSS3
Week 2: Web Basics -- Advanced CSS techniques, Normalize, Clearfix
Week 3: Web Basics -- Bootstrap, Responsive Design
Week 4: JavaScript -- Basic Syntax, Variables + Operators
Week 5: JavaScript -- Loops and Conditionals
Week 6: JavaScript -- Functions and Objects
Week 7: JavaScript -- jQuery and the DOM
Week 8: JavaScript -- Events, Event Handlers
Week 9: JavaScript -- AJAX (*Thanksgiving Break*)
Week 10: JavaScript -- APIs
Week 11: JavaScript -- Writing Tests, Debugging
Week 12: Final Week -- Finish and Present Projects, Final Exam

NOTE: Saturday lectures and topics are not listed here, as they will be planned based on the students' needs

Technical Areas Covered:

HTML5
CSS3
JavaScript
jQuery
Github
Browser Compatibility
JSON
AJAX
APIs
Debugging
Writing Tests
Web Standards

Other Topics Covered:

Website Specification Documents
Portfolio and Resumé Development
Getting hired in the Tech Industry
Open Source Projects
Group Projects
Team Building