



NEW YORK CITY COLLEGE OF TECHNOLOGY

CITY TECH

THE CITY UNIVERSITY OF NEW YORK

DIVISION OF CONTINUING EDUCATION

[25 Chapel Street](#), Howard Bldg., 4th Floor, Brooklyn NY 11201, 718 552 1166 [Website](#) [Register Online](#) [Contact Us](#)

FULL-STACK WEB DEVELOPEMENT 16-WEEK INTENSIVE

CRS 200-SP16

Mon, Wed, 6-9 pm, 4/4-7/20

Lab hours, Saturdays, 10:00 AM -1:00 PM

96 hours, \$3000

3-part payment plan is available

Apply Now for upcoming program: dsalomon@citytech.cuny.edu

Our coding and Developer Bootcamp will prepare beginners with no technical background to start careers in front end and back end web design and development. Bring your drive, curiosity and willingness to work hard to this 16-week intensive course. We'll provide passionate instructors and an intense learning environment that fits your schedule.

WHAT IT IS

This 16 -week, evening and weekend coding class focuses on PHP, JavaScript, Ruby and other common JavaScript libraries, SQL, HTML and CSS. Students with little or no technical background will attain a level of proficiency and problem-solving ability that allows them to find junior-level jobs and continue to grow their web developer skills.

WHAT YOU WILL LEARN

- To design web content with programming fluency and agile, test-driven development
 - To manage UI/UX, FrontEnd and BackEnd development
 - To develop the 21st century skills that employers demand
 - To network with industry professionals, interview for junior-level coding positions and learn as you work
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WHAT THE COURSE COVERS (COURSE TOPICS)

1. Introductions

- Learning how to program and learning strategies
- Computers and operating system concepts
- File system management
- Applications and the Web Browser
- The internet and the World Wide Web
- Computer programming languages
- Programming and Frustration: Discussion of emotion recognition and regulation.

2. Bash and Git

- Using command line
- File management
- Using SSH (If web server allows)
- Connecting to web server using FTP
- Installing and Configuring Git
- Git commands
- Github and setting up a Repo and git remotes
- Pushing and Pulling

3. HTML

- Introduction and Concepts: Structure and Content
- Syntax and comments
- HTML Boilerplating
- Hyperlinks and multimedia
- Tables and Forms
- Meta tags and favorite icons

4. CSS

- Introduction and concepts
- Syntax and comments
- External, Internal and in-line CSS
- Element Selectors: ID, CLASS & TAG
- Layouts
- Floats
- Positions

5. Designing for the Web

- Image formats (.jpg, .gif, .png, .svg)
- Color mode and Image Resolution
- Using grids and creating balance
- Typography and Branding
- UI/UX/IA/IxD concepts are covered

6. Javascript

- Introduction and Concepts b. Syntax and comments

- External, Internal and in-line Javascript d. Using Variables and Arrays
- Using Loops and Conditions
- Using functions
- Javascript Objects
- XML and jSON Objects
- Javascript and jQuery applications
- Obtain user input from a registration form
- Create a password validation function
- Create an email address validation function iv. Including jQuery
- Using jQuery
- Applying jQuery methods
- .animate(), and other animation method
- Simple JS shopping cart - add to cart feature

7. MySQL & Database Design

- Designing associative database tables
- Selecting, Inserting, Updating and Deleting Database Records

8. PHP

- Introduction of Concepts
- Syntax and comments
- Data types and programming structures
- Requesting POST and GET parameters
- PHP objects
- Establishing a Database connection
- Working with Databases and PHP

Software Tools

- 1 Sublime Text version 3 - Free
- 2 Google Chrome Web Browser - Free
- 3 MAMP (Mac) or WAMP (Windows) - Free
- 4 Git (Mac) or GitBash (Windows) - Free

Book

Learning PHP, MySQL, Javascript, CSS and HTML5: A Step-by-step Guide to Creating Dynamic Websites. ISBN: 9781491949450

