Year Course Tech & Coding

Enhance your Year Course experience as you learn to code and create your own web pages using HTML, CSS & JavaScript in this interactive web development course for beginners.

Year Course Tech & Coding Track

Young Judaea Year Course has partnered with Developers.Institute, a selective & intensive coding bootcamp dedicated to educating the next generation of tech talent in Israel, to offer a revolutionary tech track to our gap year participants during the Tel Aviv semester.

Through cutting-edge mentored courses in Web Development, participants work with the industry’s best professionals in the Tel Aviv tech ecosystem though a unique educational approach designed to open new doors for those who want to learn code, utilizing a learning methodology that teaches not only tactical skills, but also how to learn and think as a developer.

Tech and coding track participants will engage in 110 hours of learning over the course of six intensive weeks, culminating in a final project - a fully functioning website - highlighting their progress and skills.

What You’ll Learn:

- **HTML**, the language that defines the structure and content of your web page.
- **CSS**, the language that gives style to HTML elements. Without CSS, web pages would all look exactly the same!
- **JavaScript**, to create a more dynamic website.

Following their successful completion of the Developers.Institute bootcamp, Year Course tech track participants have the opportunity to intern with a tech company to gain hands-on professional experience in the heart of "Start-Up Nation."

Tech and coding track participants will participate fully in all regular Year Course programming, including weekly trips throughout Israel, intensive Hebrew classes, and any evening or weekend activities during the Tel Aviv semester.
The Year Course/Developers.Institute bootcamp contains 110 hours of web development coursework over six weeks of hands-on learning.

**Week One: Bootcamp Prep (10 Hours)**
Over the course of five pre-bootcamp meetings, students will work on assignments to develop practical skills in a structured and supportive environment with industry-expert mentors, learning the following: how the internet works, history of the web, HTML 5, advanced HTML 5, CSS, advanced CSS, and understanding careers in web development.

**Week Two: HTML (20 Hours)**
Students will create a Web page using HTML5, learn the basics of using Terminal (command line) setting up a text editor (Sublime, Atom, VSC), tags and sections, meta tags, img, iFrame, lists (ordered and unordered), anchors, forms, tables, and more.

**Week Three: CSS from Scratch (20 Hours)**
Explore the concept of colors and backgrounds in CSS, as well as fonts and text, widths and heights, margins, padding and positions, floating and display, links and lists, classes IDs, pseudo elements, and much more.

**Week Four: What is BootStrap? (20 Hours)**
Learn how to use Bootstrap as a tool for easier and more responsive site creation. Understand how to properly include Bootstrap’s CSS and JavaScript for customization.

**Week Five: What is JavaScript? (20 Hours)**
Learn programming fundamentals and basic object-oriented concepts using the latest JavaScript syntax. The concepts covered in these lessons lay the foundation for using JavaScript in any environment, as well as Javascript types, number, string, boolean, undefined, null, and more.

**Week Six: Final Project (20 Hours)**
Learn by doing! Design, build, and publish a complete landing page using all the skills learned throughout the bootcamp in this challenging final mini-project, presented to your peers and instructors as we celebrate completing the course!

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**Sample Bootcamp Weekly Schedule**

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<tr>
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<th>Week Two</th>
<th>Week Three</th>
<th>Week Four</th>
<th>Week Five</th>
<th>Week Six</th>
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<tbody>
<tr>
<td>Sunday</td>
<td>Programming Basics</td>
<td>HTML/CSS</td>
<td>JavaScript</td>
<td>JavaScript</td>
<td>Final Project</td>
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<tr>
<td>Monday</td>
<td>HTML/CSS</td>
<td>HTML/CSS</td>
<td>JavaScript</td>
<td>JavaScript</td>
<td>Final Project</td>
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<td>Tuesday</td>
<td>Tiyul Trip Day</td>
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<td>Wednesday</td>
<td>HTML/CSS</td>
<td>Bootstrap</td>
<td>JavaScript</td>
<td>JavaScript</td>
<td>Demo Day</td>
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<td>Thursday</td>
<td>Group Project</td>
<td>Mini-Project</td>
<td>Mini-Project</td>
<td>Final Project</td>
<td>Final Day</td>
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