COURSE SYLLABUS

Web Design Certificate

In this certificate program, you will become a well-rounded Web Designer and learn to design webpages, code them with HTML & CSS, and JavaScript, and build websites with WordPress, allowing you to create a diverse portfolio to showcase your skills to potential employers or clients.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/certificates/web-design



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Course Outline

This package includes these courses

- Figma Bootcamp (12 Hours)
- UI Design Bootcamp (30 Hours)
- Web Development with HTML & CSS Course (18 Hours)
- Advanced HTML & CSS Course (18 Hours)
- Flexbox, Grid, & Bootstrap Course (12 Hours)
- JavaScript for Front-End Course (18 Hours)
- Front-End Tools & Portfolio Course (18 Hours)
- HTML Email Bootcamp (6 Hours)
- WordPress Bootcamp (18 Hours)

Figma Bootcamp

Learn how to design and prototype user interfaces with Figma, the industry-leading tool for UX/UI design.

- Create UI (user interface) and UX (user experience) designs for websites, apps, and more
- Design finished layouts that are optimized for mobile, tablet, and desktop screens
- Design on grids, extract image assets, share designs with clients/developers, and more
- Build interactive prototypes
- Make animations using Smart Animate
- Use components (including variants) to make updating your designs easier
- Work with Team libraries to share style and design components

UI Design Bootcamp

Master the fundamentals of UI design and build a portfolio of professional projects in this course.

- Learn UI design concepts & best practices
- Design webpages and apps with Figma
- Get 1-on-1 help and feedback on your design work so you can learn and improve
- Develop projects for your portfolio to showcase your work as a UI Designer

Web Development with HTML & CSS Course

- Start learning to build websites by hand-coding HTML and CSS
- Mark up content (text, images, lists, links, etc.) using HTML (Hypertext Markup Language)
- Style the content using CSS (Cascading Style Sheets), setting font, size, color, spacing, width, and more
- Create multi-page websites with text, images, and more
- Adapt the layout for different screen sizes to create responsive webpages
- Use web browser developer tools to look behind the scenes and experiment with code changes
- Upload your website files using FTP to make the site live

Advanced HTML & CSS Course

- Master important CSS concepts such as positioning, advanced CSS selectors, absolute and relative sizing units (px, em, rem), calc(), and much more
- Learn sophisticated styling with multiple background images, transparent colors using RGBA, CSS gradients, shadows, and more
- Learn multiple ways to use and style SVG in webpages
- Code responsive images using img srcset and the picture element
- Learn CSS variables for cleaner, more flexible code
- Create mobile-optimized off-screen navigation menus using only CSS
- Create animated effects using CSS transitions and transforms

Flexbox, Grid, & Bootstrap Course

- CSS Flexbox to lay out and align webpage content
- CSS Grid for an entirely new way to think about laying out entire webpages
- Use Bootstrap (which is made with Flexbox) to build out layouts quickly
- Learn how Flexbox and Grid change the way you approach webpage layout
- Size, position, align, and reorder content using Flexbox and Grid

JavaScript for Front-End Course

- Write JavaScript code to add animation and interactivity to webpages
- Learn the fundamentals of the JavaScript language (variables, loops, arrays, functions, etc.)
- Understand how to use free pre-made JavaScripts to quickly add many different kinds of common functionality
- Create animated slideshows and build animated image enlargers
- Learn to animate any content within a webpage—including SVG—using GreenSock (GSAP)

Front-End Tools & Portfolio Course

Learn how to turn a webpage design into fully functional code while mastering essential front-end development tools. This course covers Git, GitHub, Emmet, and Visual Studio Code to streamline coding and collaboration.

- Build a coding portfolio by developing a project from scratch with expert guidance.
- Learn Git fundamentals to track code changes, revert versions, and manage repositories.
- Use GitHub for collaboration, including pushing, pulling, cloning, and handling merge conflicts.
- Master Visual Studio Code shortcuts and features to improve workflow and efficiency.
- Utilize Emmet coding shortcuts to speed up HTML and CSS development.
- Gain hands-on experience in real-world coding workflows and best practices.

HTML Email Bootcamp

- Learn how to code effective HTML email messages that are cross-mail-client compatible
- Build and work with multiple layouts, including single and multi-column layouts
- Gain a deeper understanding of email-friendly HTML and CSS, and how to manage issues across different email clients
- Create responsive emails that adapt across various devices
- Optimize images and swap graphics to enhance mobile device compatibility
- Use media queries to fine-tune mobile styles

WordPress Bootcamp

Learn how to create and manage websites using WordPress, even without a web design background. This course covers everything from installation to theme customization and custom template creation.

- Build websites or blogs with WordPress
- Create or edit webpages and blog posts in a WordPress site, format text, images, links, and more
- Install WordPress themes (which control the appearance of a WordPress site) and customize their appearance
- See how WordPress plugins add functionality
- Install WordPress locally so you can write and test your code
- Learn how WordPress code works behind the scenes and how to use HTML, CSS, and PHP to customize and control it