

# Learn to Code with the Cal Poly Extended Education Coding Bootcamp

Study web development part-time or full-time with the Cal Poly Extended Education Coding Bootcamp powered by Fullstack Academy.

- Add in-demand coding skills to your resume
- Learn using an industry-driven curriculum and interactive labs
- Graduate with a portfolio of projects to show employers
- Receive job search support to help you get hired



## Curriculum

Front-End Foundations	Learn the fundamentals of coding and the basics of front-end web development which you will use throughout bootcamp.	<ul style="list-style-type: none"><li>• Graphical User Interface</li><li>• Command Line Interface</li><li>• Development Environments</li><li>• Git &amp; GitHub</li><li>• Intro to Front-End Development</li><li>• JavaScript Fundamentals</li><li>• CSS &amp; HTML</li><li>• Advanced Front-End Styling</li><li>• Development Team Dynamics</li><li>• Career Simulation - Front-End Foundations Project</li></ul>
Front-End Development	Gain an in-depth understanding of front-end development by exploring and implementing arrays, loops, JavaScript functions, testing, and more.	<ul style="list-style-type: none"><li>• Conditionals &amp; Comparisons</li><li>• Loops &amp; Arrays</li><li>• Objects &amp; Methods</li><li>• Functions</li><li>• Debugging</li><li>• Test-Driven Development</li><li>• Writing JavaScript Tests</li><li>• Document Object Model</li><li>• Async/Await</li><li>• Career Simulation - Front-End Development Project</li></ul>
Development Libraries	Get hands-on experience creating functional components, recognizing and composing JSX syntax, and using React for JavaScript development.	<ul style="list-style-type: none"><li>• State &amp; Props</li><li>• React Router</li><li>• React Component Libraries</li><li>• Hooks</li><li>• Redux</li><li>• Writing Front-End &amp; React Tests</li><li>• Continuous Integration</li><li>• Authentication</li><li>• Career Simulation - React Project</li></ul>

Please note that this is a sample curriculum and is subject to change.

## Curriculum

<b>Back-End Development</b>	Recognize and analyze the structure of a Node Express server and become familiar with API Routes and Structured Query Language.	<ul style="list-style-type: none"><li>• Back-End Fundamentals</li><li>• Structured Query Language (SQL)</li><li>• API Routes</li><li>• Database Abstractions</li><li>• Advanced API</li><li>• Writing Back-End Tests</li><li>• Career Simulation - Back End Project</li></ul>
<b>Full-Stack Development</b>	Use this time to build or expand your project portfolio.	<ul style="list-style-type: none"><li>• Career Simulation - Full-Stack Development Projects</li><li>• Algorithms &amp; Data Structures</li><li>• Future Planning for Self-Directed Learning</li></ul>
<b>Career Success</b>	Throughout bootcamp and beyond you'll receive career preparation assistance and job search support.	<ul style="list-style-type: none"><li>• Build a technical resume &amp; craft cover letters</li><li>• Optimize your LinkedIn profile &amp; network within the industry</li><li>• Train for future interviews &amp; career-related negotiations</li></ul>

Please note that this is a sample curriculum and is subject to change.