

Hack Reactor Software Engineering Immersive

FULL TIME 12-WEEK COURSE CURRICULUM

The Hack Reactor program, above all else, fosters software engineers ready to succeed in today's tech industry.

Our course does this in the context of learning full stack JavaScript through pair programming and then developing several full stack applications in teams. The curriculum is living and evolving. We constantly improve on it based on the ever-changing needs of the technology industry and feedback from our students and alumni.

The Pre-course

By completing the Pre-course work, you will have a strong programming foundation that will enable you to begin the Hack Reactor learning experience.

- JavaScript Recursive Functions
- JavaScript Higher Order Functions
- GitHub
- Command Line
- Build an interactive chat site

WEEKS 1-6 - Junior Section

During the 12-week immersive, you'll be primarily working in pairs and groups over 2-day projects, putting in 11-hour days at a minimum, 6 days a week. Our instructional content gives you just enough scaffolding so you can get to the real work of solving coding problems in the context of actual applications.

Week 1 kicks off with an intensive review of introductory material, along with an overview of the practices and habits that will help you be most successful in this program. Throughout the next five weeks, you'll learn development and collaboration skills through short learning experiences called "sprints." Each sprint is project-based, which means you'll learn core concepts as you complete authentic projects. At the same time, you'll gain key experience with pair programming, which mimics the workflow you may see as a software engineer.

- Data Modeling and Classes
- Data Structures and Complexity Analysis
- Inheritance Patterns
- Algorithms
- Browser apps, jQuery, and AJAX
- ES6, APIs, and React
- State Management
- Servers and Node
- Server-side techniques
- Databases
- Authentication and Full Stack Development

WEEKS 7-12 - Senior Section

This section is all about preparing you to work in a professional environment. You'll be challenged to complete the Front End Capstone and System Design Capstone projects, where you'll work with new applications, test new technologies, and put your bug testing to good use.

The project phase will last approximately five weeks and will be the last step before you focus on the job search. During this final phase, you'll learn how to create a compelling resume, perform well in whiteboarding interviews, and effectively search and apply for a job.

- Agile methodology
- Project documentation
- Service-oriented architecture
- Code review
- Testing
- Deployment
- Professional resume
- Phone screen interviewing
- Whiteboard interviewing
- Salary negotiation
- **Senior Section Projects:** Front End Capstone and System Design Capstone

Contact

If you have any questions, please feel free to contact our admissions team at **admissions@galvanize.com**.

DISCLAIMER: The information contained in the course guide is intended for directional use only. The Hack Reactor Software Engineering Immersive official course syllabi is reviewed on an ongoing basis to stay current with industry trends and may be adjusted slightly to fit the pace of the class in order to maximize student learning. Additionally, the program may differ slightly between each campus, as our curriculum is designed to be responsive to the needs of hiring partners in each market. This course guide is not intended to be comprehensive nor a complete representation of the official course syllabus. Galvanize reserves the right to change, update or delete information contained in the course guide without notification.