

Web and Internet Technologies

Course # COMP 2081

Credits 6

Course Description

Want to get started in the world of coding and build websites as a career? This certificate, designed by the software engineering experts at Meta—the creators of Facebook and Instagram, will prepare you for a career as a front-end developer.

Upon completion, you'll get access to the Meta Career Programs Job Board—a job search platform that connects you with 200+ employers who have committed to sourcing talent through Meta's certificate programs, as well as career support resources to help you with your job search.

By the end, you'll put your new skills to work by completing a real-world project where you'll create your own front-end web application.

Meta Front-End Developer Professional Certificate program consists of - 9 course series:

1. Introduction to Front-End Development
2. Programming with JavaScript
3. Version Control (optional, not graded by UCA)
4. HTML and CSS in depth
5. React Basics
6. Advanced React
7. Principles of UX/UI Design (optional, not graded by UCA)
8. Front-End Developer Capstone
9. Coding Interview Preparation (optional, not graded by UCA)

Note: There will be only one mandatory offline class session with UCA instructor at the beginning. Depending of course progress the number of sessions might change.

Course Learning Outcomes

Upon the completion of the course, students will be able to:

- Create a responsive website using HTML to structure content, CSS to handle visual style, and JavaScript to develop interactive experiences.
- Learn Bootstrap CSS Framework to create webpages and work with GitHub repositories and version control.
- Create robust and reusable components with advanced techniques and learn different patterns to reuse common behavior.
- Interact with a remote server and fetch and post data via an API.
- Seamlessly test React applications with React Testing Library.
- Integrate commonly used React libraries to streamline your application development.

Course Assessments and Grading

Item	Weight
Program series -- 1	5 %
Offline assessment-1	5 %
Program series – 2	10 %
Offline assessment-2	5 %
Program series – 4	5 %
Offline assessment-3	5 %
Examination	15 %
Program series – 5	5 %
Offline assessment-4	5 %
Program series – 6	10 %
Offline assessment-5	5 %
Program series – 8	5 %
Examination	10 %
Project	10 %
Attendance	