

**Course description**

In this 10-week course, students will be introduced to the basics of front-end web development skills. It is targeted towards individuals with little to no programming background. This lab-intensive course will cover building websites using HTML, CSS, adding interactivity through JavaScript, and computational thinking. Students will build a final project that encompasses all topics during the course. In addition, students will work in a collaborative environment and discuss their code their peers.

**Grading**

In order for Students to pass in Front-end Web Development, upon completion of the course, students must:

* Complete and submit 80% of all course assignments (homework, labs, quizzes, project milestones). Students will receive instructor feedback for all assignments. Students who miss more than 20% of assignments will not be eligible to pass the course.
* Complete and submit the course final project, earning a satisfactory grade by completing all functional and technical requirements on the project rubric, including delivering a presentation.

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| UNIT 1: THE BASICS | | | |
| **Week 1**  **HTML/CSS BASICS** | Lecture 1: HTML BASICS | |  |
| Lecture 2: CSS BASICS | |  |
| **Week 2**  **PAGE LAYOUT** | Lecture 3: CONTENT SECTIONS | |  |
| Lecture 4: LAYOUT | |  |
| **Week 3**  **INTRO COMPUTATIONAL THINKING** | Lecture 5: LAB | |  |
| Lecture 6: PSEUDO CODE | |  |
| **Week 4**  **JAVASCRIPT BASICS** | Lecture 7: JS (Variables, Conditionals) | |  |
| Lecture 8: JS (Functions) | |  |
| **Week 5**  **JAVASCRIPT BASICS** | Lecture 9: jQUERY | |  |
| Lecture 10: jQUERY(Arrays, loops) | |  |
| UNIT 2: BUILDING IN CONCERT | | | |
| **Week 6**  **REVIEW & REFACTOR** | Lecture 11: LAB |  | |
| Lecture 12: REFACTOR |  | |
| **Week 7**  **MULTIPLE SCREENS** | Lecture 13: RESPONSIVE BASICS |  | |
| Lecture 14: BUILDING RESPONSIVE |  | |
| **Week 8**  **FORMS** | Lecture 15: FORM BASICS |  | |
| Lecture 16: LAB – TO DO LIST |  | |
| **Week 9**  **INSTRUCTORS CHOICE** | Lecture 17: INSTRUCTORS CHOICE |  | |
| Lecture 18: INSTRUCTORS CHOICE |  | |
| **Week 10**  **PROJECT WEEK** | Lecture 19: FINAL PROJECT LAB SESSION |  | |
| Lecture 20: PRESENTATIONS |  | |