

# CIT 180 - WEB DEVELOPMENT

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- Engage in self-directed learning.
- Experience continuous improvement through iteration.
- Independently seek out solutions to problems.

## Course Description

This course covers how to plan, develop and publish websites using industry standard software. Students will learn responsive web design using HTML5 (Hypertext Markup Language) and CSS3 (Cascading Style Sheets). Students will develop a wide variety of web projects, which include responsive design, navigation menus, multimedia, forms, lists, tables and CSS animation. Interactivity will be achieved through CSS and beginning JavaScript. Emphasis will be placed on Industry standard coding practices, ADA compliance, semantic HTML5, beginning, intermediate and advanced CSS. Course content is mapped to the Certiport Information Technology Specialist - HTML and CSS learning objectives, and students enrolled in this course will take the certification exam. Group 2 course.

## Credit Hours

3

## Contact Hours

4

## Lecture Hours

2

## Lab Hours

2

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

- Describe the operation of the Internet with respect to browsers, servers, and protocols, including requests, responses, gets and posts.
- Describe the tools and methods used to create websites.

### Application:

- Create websites using HTML and CSS to meet design specifications.
- Create, deploy and troubleshoot a fully functional, responsive web site.

### Integration:

- Use HTML and CSS to develop websites that are efficient, functional, intuitive, and aesthetically pleasing on multiple browsers.
- Describe the process of real-world web design.
- Discuss the rationale for various design protocols and decisions.
- Select, create and deploy the appropriate layout and responsive design to meet website requirements.

### Human Dimension:

- Give and receive feedback in an appropriate manner.

### Caring - Civic Learning:

- Implement HTML and CSS to develop websites that maintain ADA compliancy.

### Learning How to Learn: