

COMPETENCY PROFILE

Web Design & Development

BTC: CIS 145 Website Development (5 credits)

SVC: MIT 149 Creating Web Pages (5 credits)

WCC: CS 120 HTML Fundamentals (5 credits)



Introduction to the technology and issues associated with creating Web pages. Students will create, design, analyze and critique web pages. Students will be introduced to a variety of multi-media software used in web design: Dreamweaver, Photoshop, Flash, etc. Students will apply HTML and authoring techniques.

Upon completion of high school courses equivalent to the following competencies:

- Understand & identify the components of Web documents
 - Apply principles of web page design
 - Understand the phases of web site design & development
- Analyze and critique existing web pages for design, style, content, appeal, etc.
- Understand & use Hypertext Markup Language (HTML) tags & attributes to develop web pages
 - Use HTML Syntax and markup language
 - Identify basic HTML tags
 - Create basic HTML documents using the basic HTML tags in Notepad
- Understand & use Dynamic Hypertext Markup Language (DHTML) to develop web pages
- Create both internal and external hyperlinks
- Identify and use formatting tags such as bold, underline and italicize
- Create ordered and unordered lists
- Create and enhance tables and table text for formatting and slicing large images
- Incorporate text, images, graphics, text formats and document formatting into HTML documents
- Create HTML tables, frames & forms
 - Manipulate images into tables
 - Create and manipulate a page with frames
- Create a form web page using:
 - Drop downs
 - Radio boxes
 - Drop boxes
 - Check boxes
 - Combo boxes
- Apply cascading style sheets (CSS) within a HTML document
- Position objects with layers
- Create and use templates
- Create interactions using behaviors
- Create an inline style and apply it to a tag
- Create various forms of embedded styles and apply them to many elements on a page
- Create a linked style and explain the reasons for doing so
- Flow chart/storyboard a website for structure and navigation
- Explain the concept of scripting languages, such as Java Script, VB script, CGI script and how they interact with HTML
- Compare pricing & service offered by different web hosting services
- Understand and use FTP
- Create a minimum 3-page website using all elements

College Textbook Reference:

- [HTML Comprehensive Concepts and Techniques](#), Third Edition by Shelly, Cashman, Woods, Dorin Course Technology - International Thomson Publishing Co., 2005, ISBN# 0-619-25503-X
- [Web Design Introductory Concepts and Techniques](#), Shelly, Cashman, Kosteba, Course Technology - International Thomson Publishing Co., 2002, ISBN# 0-7895-5960-9
- [HTML](#), Third Edition by Cox, Wermers, Reding, ISBN 0-619-26844-1