



CCL in Web Design: User Interface Program Competencies

Academic Plan Code: 5216

CIPS Code: 11.0801

GB Date: 04/28/15

Program Credits: 34

Program Description:

The Certificate of Completion (CCL) in Web Design: User Interface program is designed to prepare students to work with and design personal or professional web pages. Courses focus on training the student in HTML/XHTML/CSS web development languages, web design and publishing, graphics design, multimedia technology, project management, and development of a portfolio.

Program Competencies:

1. Define terms related to microcomputer usage and applications. (CIS105, CIS113DE, CIS114DE, CIS117DM, CIS121AE)
2. Identify microcomputer hardware and software components. (CIS105, CIS121AE)
3. Apply microcomputer operation skills: care and handling of diskettes, powering up the computer, keyboarding (required speed development: 25 words per minute), and powering down the computer. (CIS105)
4. Evaluate and select microcomputer hardware and software for specific applications. (CIS105)
5. Describe basic graphics, sound, process control, and other special capabilities of a microcomputer. (CIS105, CIS118AB)
6. Demonstrate skills for using commercial software programs including electronic spreadsheets, micro word processing, and database management. (CIS113DE, CIS114DE, CIS117DM)
7. Demonstrate use of a computer operating system. (CIS121AE)
8. Use suitable software to generate charts, graphs and graphics for business use. (CIS118AB)
9. Explain and use various Internet communication, resource discovery, and information retrieval tools. (CIS133AA, CIS133BA, CIS133CA, CIS133DA)
10. Practice basic animation techniques for creating, manipulating, and editing flash animation graphics. (CIS120DC)
11. Utilize electronic techniques to create, manipulate, and edit images, text, abstract art, graphic design, color graphics and business charts. (CIS120DF)
12. Use project management software to plan and schedule a project. (CIS124AA)
13. Define multimedia technology. (CIS/MMT140)
14. Describe various hardware devices and software tools used in developing and delivering multimedia. (CIS/MMT140)
15. Describe the process of analysis and design of a multimedia application. (CIS/MMT140)
16. Design and create presentations using the World Wide Web authoring hypertext markup language (HTML). (CIS233DA)
17. Summarize e-Commerce, its uses and common components in web sites. (CIS235)
18. Design and publish an electronic portfolio, showcasing one's best work and providing evidence of one's knowledge, skill, and learning. (CIS288)

Revised: 09/26/18