WEB DEVELOPMENT CERTIFICATE OF ACHIEVEMENT

The Web Development certificate prepares students for positions designing, implementing and maintaining web content. Skills include client and server-side web design and development, as well as programmatic interaction with databases.

Required courses:		Units
CSC 102	IT and Computer Science Career Exploration	1
CSC 105	Introduction to Linux I	1.5
CSC 106	Introduction to Linux II	1.5
CSC 130	Web Design and Development	3
CSC 134	Web Application Development	3
CSC 220	Introduction to Computer Science	4

Plus 3 additional units from the following:		Units
ART 282	Introduction to Photography	3
CED 196	Occupational Work Experience	1 – 3
CSC 170	Mobile Application Development	3
CSC 201	Computers and Computer Applications	3
CSC 221	Programming and Algorithms I	3
CSC 221L	Programming and Algorithms I Lab	1
DAM 110	Digital Image Manipulation in Adobe Photoshop	3
DAM 125	Introduction to Desktop Publishing with Adobe InDesign	3
DAM 205	Introduction to Digital Art and Design	3
DAM 250	Introduction to Video Production	3
DAM 281	Digital Design Using Adobe Illustrator	3
MUS 110	Recording Studio Techniques I	3
MUS 115A	Recording Studio Laboratory	1

Total units required for Certificate	**17**

Program Level Student Learning Outcomes:
1. Write programs in a server-side web scripting language that interact with databases and generate content for and interact with client-side browsers and scripts.
2. Ensure that scripts avoid common security problems and protect against common attacks.
3. Construct web content using basic and advanced HTML per current W3C standards.
4. Make appropriate use of W3C standards-based technology to implement a separation of content from presentation.
5. Configure a Linux-based operating system as a platform for web-based and other applications.
6. Construct and utilize Linux commands to perform a wide variety of tasks.