



Advanced Web and Animation Design

Cluster: Arts and A/V and Communication

Course Number: TBA

Pathway/Major: Printing Technology/Visual

Locations: Oklahoma *CareerTech* locations

Length: 120 Hours

Course Description: This course is the advanced software and applications of technical skills in graphics of web design. This course covers web and animation authoring and developing with the utilization programming and graphics packages.

Knowledge and Skills:

Web Computer Authoring – 30 hrs	
Basic Operating system Features	Programming HTML, XHTML
Storage devices	Media Reproduction
Terminology	Help & Support Centers
Networking	Create cascading style sheets
Printers, plotters, and scanners, Hardware	Utilities, Files & Folders
Hyperlinks, text and graphics	Image maps
Internet/Intranet	Media equipment utilization
System Configuration	Software Customization
Desktop and Taskbar	Frames
Proofing Principals	Control Panel utilization
Web Animation – 20 hrs	
Graphics utilization	Animated clips, symbols and buttons
Editable fields	Text to animation
Publishing movies	Utility uses
Layering	Instances utilization
Sound effectiveness	Movie utilization
Tween	Interactive scriping
Web Design and Usability- 25 hrs	
Site Planning	Site Mockup
Site variety simulates	Proper choices
Graphical element utilization	Graphic Optimization
Images Assimilation	Color theory
File naming uses	ADA restriction
Coding	JavaScript

Computer Site Production – 25 hrs	
Plan of structure	Navigation uses
Site management	Using appropriate document setups
Layers and frames	Media
Computer Style Sheets – 20 hrs	
Object management	Research project requirements
Div and Span elements	External style sheet
Conflicting and inheriting	Develop Innovative designs
Formatting	Hexadecimal values
Drawing management standards	CSS and techniques
List of styles	Relevance of elements
JavaScript linking	Style sheet validation

Required Certifications: None

Available industry certifications: Print Ed Program Certification

(NOCTI) National Occupational Competency
<http://www.nocti.org/>

Brainbench certifications below: <http://www.brainbench.com/>

Adobe Creative Suites

Course Standards: Print Ed Standards. Design and Color Principles, Basic Computer Illustration

ADDA American Drafting and Design

Arts, A/V Technology, & Communications Career Cluster

[http://www.careerclusters.org/ClusterDocuments/AVFinal.pdf](http://www.careerclusters.org/ClusterDocuments/avdocuments/AVFinal.pdf)

Resources: Macromedia Training
 Adobe classroom in book materials
 Adobe: Adobe.com
 Lynda online learning library
 Course Technology materials: course.com
 MAVCC-CIMC Curriculum and Instructional Materials:
okcareertech.org/cimc