Web Design Program of Study

Web Design

Information Technology

Major Career Options

• Web Administrator • Web Designer	• Web Site Development • Web Webmaster	• Digital Media Specialist • Graphic Designer	• E-Business Specialist • Information Systems

CTE Diploma Course Requirements: 22 1/2 credits; 4 CTE courses, 2 in one area; work experience counts only if in related courses; no F's.

Yellow: General Graduation Requirements   *Blue/ bold: Recommended Web Pathway*   *Green/italics: Recommended Electives*

9th Grade	10th Grade	11th Grade	12th Grade
Semester 1&2	*Semester 1&2*	*Semester 1&2*	*Semester 1&2*
Freshman English	Sophomore English	Junior English	Senior English
Discovery Science	Biology	Chemistry	Human Anatomy, Physics
Algebra or Geometry	Algebra II	Trigonometry/Pre-Calculus	Algebra III, Calculus, Statistics
Computer Literacy and Health	World History	U.S. History	Government
Physical Education	Foreign Language	Physical Education	*Graphic Design or Flash*
Foreign Language	**Web Design I**	**Web Design II**	**Multimedia Portfolio**
Work-Based Learning Opportunities	**College Credit/Tech Prep**	**Career-Technical Student Organizations (CTSOs) and Clubs**	**Certifications**
• Career Awareness • Cooperative Education • Job Shadowing • School-Based Enterprise • Service Learning	• GRC-119 (WNC) • GRC-175 (WNC)	• SkillsUSA • FLBA	• Adobe Certified Associate • Adobe Certified Expert • SkillsUSA Point Certification

Post-Secondary Options

Two-Year College or Proprietary Program		Four-Year College and University Programs
Western Nevada College (AAS) • Computer Technology • Computer and Office Technology • Graphics Communications • Information Technology Western Nevada College – Certificate of Achievement • Computer Applications • Desktop Publishing • Graphics Communications	Truckee Meadows Community College (AAS) • Computer Info. Tech., Web Development • Computer Info. Tech., Computer Programming • Computer Science Truckee Meadows Community College – Certificate of Achievement • Computer Technologies	University of Reno • Computer Science • Computer Science and Engineering University of Las Vegas • Computer Science The Art Institutes of Las Vegas/Sacramento/San Francisco • Web Design and Interaction Media • Graphic Design • Visual Effects & Motion Graphics • Media Art & Design

WEB DESIGN I
Full Year
9 10 11 12

This course will explore the basic methods and skills necessary to create Web pages for the World Wide Web. Students will learn HTML/XHTML, graphics applications, and other authoring (WYSIWYG) tools to the design, editing, and publishing (launching) of documents, images, graphics, sound, and multimedia products on the World Wide Web. Includes instruction in Internet Theory, web page standards and policies, elements of web page design, accessibility, user interfaces, special effects, interactive and multimedia components, search engines, navigation, e-commerce tools, ftp protocol and emerging web technologies. Students will create effective personal and business websites. Prerequisite: Pass the Computer Literacy Challenge Test or Computer Literacy can be taken concurrently.
- **This course will fulfill the Career and Technical Education graduation requirement.**
- **This is a Tech Prep class.**
- **Juniors and seniors can earn three college credits through WNC with a grade of B or higher.**
- **This course is based on or meets the Nevada State Information Technology Skill Standards.**

WEB DESIGN
II Full Year
0 11 12

This course covers advanced web page authoring techniques using HTML/ XHTML, Cascading Style Sheets (CSS), graphics applications, and other authoring (WYSIWYG) tools to the design, editing, and publishing (launching) of documents, images, graphics, sound, and multimedia products on the World Wide Web. Includes instruction in advanced web page standards and policy, web site management, and emerging web technologies. Students will work as team members creating and maintaining the Carson High School Web Site. Doing so will give students real world experience in the field. Prerequisite: A grade of C or higher in Web Design I or instructor's approval.
- **This is a Tech Prep class.**
- **Juniors and seniors can earn three college credits through WNC with a grade of B or higher.**
- **This course will fulfill the Career and Technical Education graduation requirement.**
- **This course is based on or meets the Nevada State Information Technology Skill Standards.**

MULTIMEDIA
PORTFOLIO
Full Year
11 12

This advanced career course is for those students who have a strong desire to enter the digital multimedia industry as a professional. It prepares the students to plan, supervise, and manage multimedia projects. The flash and web design projects move from the "makeover" projects, where all of the information is provided, to "open" or "all inclusive" scenarios in which the student must find and organize as much information and resources needed to complete unique projects. Students will work as team members creating and maintaining the Carson High School Web Site. Doing so will give students real world experience in the field. Prerequisite: A grade of C or higher in Web Design II, Flash II, or instructor's approval.
- **This course will fulfill the Career and Technical Education graduation requirement.**
- **This course is based on or meets the Nevada State Information Technology Skill Standards**.