

High School to College and Career Pathway: Secondary

Career and Technical Education: Preparing Students for College and Career!



Area of Study: Information Technology Education

Pathway: Web Development and Administration

Get the Facts

The American Institute of Graphic Arts reports that nine out of 10 artists have a college degree, most with a major in graphic design.

Workforce Trends

The World Wide Web has changed the way we communicate and consume information. Millions of Web pages already exist, with more in the works. However, most people don't possess the technical know-how to launch an eye-catching website. That's the reason so many self-employed website designers are taking advantage of plentiful opportunities in this line of work.



CAREER AND TECHNICAL EDUCATION Recommended Pathway Courses		
(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)		
CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL		
Course #	Foundation Courses: (required)	Credit
11.0230	Web Development I	1.00
<i>Choose one of the following courses:</i>		
11.0201	Computer Programming	1.00
11.0210	Digital Media I	1.00
11.0801	Web Development II	1.00
Elective Courses:		
52.0264	Business Web Design, Advanced	.50
11.0101	Information Technology, Introduction	.50
11.0301	Database Development I	1.00
08.0802	Social Media Marketing	.50
32.0199	Student Internship (Critical Workplace Skills)	.50

Visit UtahCTE.org to learn how to earn industry certification in this Pathway.

3.00 credits for completion

Web Development and Administration is:

- > High skill
- > High wage
- > High demand
- > Nontraditional for females

Sample Career Occupations

- > Internet Project Manager
- > Information Technology Education Teacher
- > Webmaster
- > Web Administrator
- > Web Developer
- > Web Graphic Designer
- > Web Programmer/Analyst

Foundation courses taken beyond the required credits can be used as elective credit.

Middle School		State Requirements		High School Suggested Education Plan				College and Career
7th Grade	8th Grade	Middle School	High School	9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts 4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	There are a number of options for education and training beyond high school, depending on your career goals. <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training For more information on salary projections, labor market demand, and training options, visit www.utahfutures.org .
Math * 1.00	Math * 1.00	2.00	Math 3.00	Math * 1.00	Math * 1.00	Math * 1.00	Computer Programming 1.00	
Science .50	Science 1.00	1.50	Science 3.00	Earth Systems 1.00	Biological Science 1.00	Additional credit 1.00		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies 3.00	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	P.E./Health 2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts 1.50	Fine Arts Courses 1.50				
Keyboarding .50			Computer Tech. .50	Computer Technology .50				
CTE Intro 1.00		1.00	CTE 1.00	Refer to Career and Technical Education box above.				

* Talk to your school counselor about math requirements in the new common core curriculum. Core curriculum and elective requirements may vary district to district.

Concurrent enrollment course offerings vary by school and district. Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.