

Connecting High School to College and Career

Career and Technical Education (CTE) provides critical learning and hands-on skills in 62 Pathways within eight areas of study. Students who focus on a Pathway acquire the skills necessary for entry into well-paid careers with high potential for rapid financial growth, increased levels of responsibility, and a high degree of personal satisfaction.

CTE Pathways:

- Will jump-start your future career.
- Will give you unlimited opportunities.
- Will help you plan for life after high school—before graduation.
- Will save you time and money.

What is a Pathway?

- A Pathway is a sequence of courses within your area of interest.
- A Pathway connects from high school to college for a specific degree and/or career. A Pathway will save you time and money toward a college degree.

CTE: Keeping it REAL

- Classroom instruction connects to the REAL world of work and future career opportunities.
- Statistics indicate that CTE graduates are worth higher wages because they are more productive than other workers.

Did you know?

Ninety percent of jobs require training beyond high school.

Top 5 reasons to participate in CTE Career Pathways:

1. To acquire technical skills training.
2. To participate in hands-on learning.
3. To jump-start your future career.
4. To earn college credit while in high school through concurrent enrollment classes.
5. To save time and money!

Ask yourself:

- What do I want to be doing in 5 years?
- What do I want to be doing in 10 years?

Ask yourself:

- What classes should I take to get ready for college?
- What does it cost to go to college?

Ask yourself:

- Why should I plan?
- Why should I study?
- Why should I graduate from high school?

Ask yourself:

- How can I make a lot of money?
- How do I find a career?
- How can Pathways help me?

Acquiring critical learning and hands-on skills through education and training will open doors of opportunity for obtaining employment within your area of interest. Stay in school and finish your education. Your future depends on it.

For more information log onto
www.utahcte.org.

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Salt Lake City, UT 84114-4200
Patti Harrington, Ed.D., State Superintendent of Public Instruction
Mary Shumway, State Director of Career and Technical Education



Information Technology Education
Web Development and Administration

High School to College and Career PATHWAYS



CAREER AND TECHNICAL EDUCATION
Giving Students the Edge



High School to College and Career Pathway: Secondary

Area of Study: Information Technology Education



Pathway: Interactive Media Web Development & Administration

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																				
7 th Grade	8 th Grade	Middle School	Language Arts	High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																																				
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit—class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training <p>Sample Occupations</p> <ul style="list-style-type: none"> > Internet Project Manager > Information Technology Education Teacher > Webmaster > Web Administrator > Web Developer > Web Graphic Designer > Web Programmer/Analyst <p>For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.</p>																																				
Pre-Algebra 1.0	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Computer Programming 1.00																																						
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit—class of 2011)																																						
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	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																																								
			Financial Literacy	.50	Financial Literacy .50																																								
Keyboarding .50			Computer Tech.	.50	Computer Technology .50																																								
CTE Intro 1.00		1.00	Career and Technical Education	1.00	<p style="text-align: center;">Career and Technical Education Recommended Pathway Courses</p> <p style="text-align: center;">(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p style="text-align: center;">CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>11.0230</td> <td>Web Development I</td> <td>1.00</td> </tr> <tr> <td colspan="3" style="text-align: center;"><i>Choose one of the following courses:</i></td> </tr> <tr> <td>11.0201</td> <td>Computer Programming</td> <td>1.00</td> </tr> <tr> <td>11.0210</td> <td>Multimedia I</td> <td>1.00</td> </tr> <tr> <td>11.0230</td> <td>Web Development II</td> <td>1.00</td> </tr> <tr> <td colspan="3" style="text-align: center;">Elective Courses:</td> </tr> <tr> <td>52.0264</td> <td>Business Web Design, Advanced</td> <td>.50</td> </tr> <tr> <td>11.0101</td> <td>Information Technology, Introduction</td> <td>.50</td> </tr> <tr> <td>11.0301</td> <td>Database Development I</td> <td>1.00</td> </tr> <tr> <td>08.0802</td> <td>e-Commerce</td> <td>.50</td> </tr> <tr> <td>32.0199</td> <td>Student Internship (Critical Workplace Skills)</td> <td>.50</td> </tr> </tbody> </table> <p>Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.</p> <p style="text-align: right;">3.00 credits for completion</p>					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	Multimedia I	1.00	11.0230	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	e-Commerce	.50	32.0199	Student Internship (Critical Workplace Skills)	.50
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<p>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 Web site. That's the reason so many self-employed Web site designers are taking advantage of plentiful opportunities in this line of work.</p> <p>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.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p> <p>Foundation courses taken beyond the required credits can be used as elective credit.</p>																																											

Note: For more information, talk to your school counselor.