

High School to College and Career Pathway: Secondary Career and Technical Education

Information Technology Education Pathways

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Digital Media

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Network and IT Support


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Programming Software Development


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Web Development and Administration

Pathway: Digital Media			
Foundation Courses: (2.00 credits required) Digital Media 1 – 1.00 Choose 1.00 credit from the following courses: <input type="checkbox"/> 3D Animation – .50 <input type="checkbox"/> 3D Graphics – .50 <input type="checkbox"/> Digital Media 2 – 1.00	Elective Courses: (1.00 credit required) <input type="checkbox"/> Basic Digital Photography – .50 <input type="checkbox"/> Business Web Design – .50 <input type="checkbox"/> Commercial and Advertising Art – .50 <input type="checkbox"/> Digital and Visual Communications – .50 <input type="checkbox"/> Digital Marketing – .50 <input type="checkbox"/> Entrepreneurship – .50	<input type="checkbox"/> Gaming Fundamentals – .50 <input type="checkbox"/> Gaming Fundamentals 2 – .50 <input type="checkbox"/> Information Technology, Introduction – .50 <input type="checkbox"/> Intro to Graphic Communications – .50 <input type="checkbox"/> Television Broadcasting 1 – .50 <input type="checkbox"/> Video Production 1 – .50 <input type="checkbox"/> Workplace Skills – .50	
3.00 credits required for completion			

Pathway: Network and IT Support			
Foundation Courses: (2.00 credits required) <input type="checkbox"/> A+ (Computer Maintenance) – 1.00 <input type="checkbox"/> Cisco Certified Network Administrator (CCNA) – 1.00 <input type="checkbox"/> Information Technology, Intro – .50 <input type="checkbox"/> Linux Fundamentals – 1.00 <input type="checkbox"/> Microsoft Certified Professional (MCP) – 1.00 <input type="checkbox"/> Network Fundamentals – .50	Elective Courses: (1.00 credit required) <input type="checkbox"/> Certified Linux Administration – 1.00 <input type="checkbox"/> Microsoft Certified Professional – 1.00	<input type="checkbox"/> Security Fundamentals – .50 <input type="checkbox"/> Workplace Skills – .50	
3.00 credits required for completion			

Pathway: Programming/Software Development			
Foundation Courses: (2.00 credits required) Choose 1.00 credit from the following courses: <input type="checkbox"/> AP Computer Science Principles – 1.00 <input type="checkbox"/> Computer Programming 1 – 1.00 <input type="checkbox"/> PLTW Computer Science and Software Engineering – 1.00 Choose 1.00 credit from the following courses: <input type="checkbox"/> AP Computer Science – 1.00 <input type="checkbox"/> Computer Programming 2 – 1.00 <input type="checkbox"/> Database Development 1 – 1.00 <input type="checkbox"/> Exploring CS – .50 <input type="checkbox"/> Gaming Dev. Fundamentals – .50 <input type="checkbox"/> Mobile Dev. Fundamentals – .50 <input type="checkbox"/> PLTW Computer Science Applications – 1.00	Elective Courses: (1.00 credit required) <input type="checkbox"/> Algorithms and Data Structuring – 1.00 <input type="checkbox"/> Entrepreneurship – .50 <input type="checkbox"/> Exploring Computer Science 2 – .50	<input type="checkbox"/> Gaming Development Fundamentals 2 – .50 <input type="checkbox"/> Information Technology, Introduction – .50 <input type="checkbox"/> Workplace Skills – .50	
3.00 credits required for completion			

Pathway: Web Development and Administration			
Foundation Courses: (1.50 credits required) Web Development 1 – 1.00 Choose 1.00 credit from the following courses: <input type="checkbox"/> HTML5 App Development Fundamentals – 1.00 <input type="checkbox"/> Web Development 2 – 1.00	Elective Courses: (1.50 credits required) <input type="checkbox"/> Business Web Design, Advanced – .50 <input type="checkbox"/> Database Development 1 – 1.00 <input type="checkbox"/> Digital Marketing – 1.00 <input type="checkbox"/> Entrepreneurship	<input type="checkbox"/> Geographic Information Systems (GIS) Remote Sensing – 1.00 <input type="checkbox"/> Information Technology, Introduction – .50 <input type="checkbox"/> Workplace Skills – .50	
3.00 credits required for completion			

- > Foundation courses taken beyond the required credits can be used as elective credit.
- > Core curriculum and elective requirements may vary district to district.
- > Many CTE courses may qualify for concurrent enrollment credit, which in some cases may earn up to 1.0 credit toward Pathway completion. Talk to your school counselor about availability.
- > Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.
- > Visit UtahCTE.org for additional information.