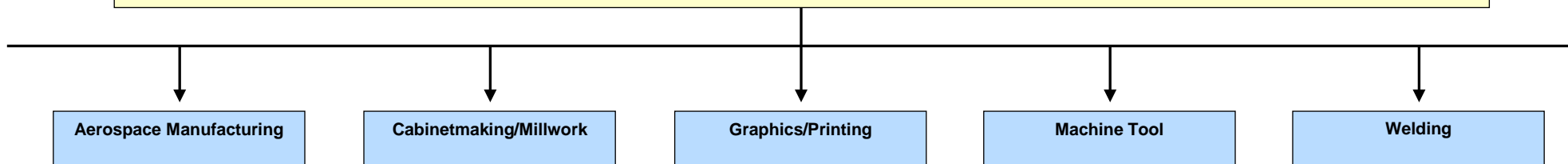



## High School to College and Career Pathway: Secondary Career and Technical Education




### Skilled and Technical Sciences Education Pathways



Pathway: Precision Production Trades – Aerospace Manufacturing	
<p><b>Foundation Courses:</b> (3.00 credit required)</p> <p>CAD Mechanical Design 1 – .50 Composites 1 – .50 CTE Internship – .50 Leadership Principles – .50 Manufacturing Principles 1 – .50 Metalworking 1 * – .50</p> <p style="text-align: center;">* Course can be taken up to 1.00 credit.</p>	

Pathway: Precision Production Trades – Cabinetmaking/Millwork	
<p><b>Foundation Courses:</b> (1.00 credit required)</p> <p>Furniture Design &amp; Mfg. * – 1.00 Woodworking * – .50</p>	<p><b>Elective Courses:</b> (2.00 credits required)</p> <div style="display: flex; justify-content: space-between;"> <ul style="list-style-type: none"> <li><input type="checkbox"/> Accounting 1 – .50</li> <li><input type="checkbox"/> Business Management – .50</li> <li><input type="checkbox"/> Carpentry 1 – 1.00</li> <li><input type="checkbox"/> CAD Architectural Design 1 – .50</li> <li><input type="checkbox"/> CAD Mechanical Design 1 – .50</li> <li><input type="checkbox"/> Cabinetmaking – 1.00</li> <li><input type="checkbox"/> Commercial and Advertising Art * – .50</li> <li><input type="checkbox"/> Design and Visual Communications * – .50</li> <li><input type="checkbox"/> Entrepreneurship – .50</li> </ul> <ul style="list-style-type: none"> <li><input type="checkbox"/> Industrial Design – 1.00</li> <li><input type="checkbox"/> Machining 1 * – .50</li> <li><input type="checkbox"/> Machining 2 * – .50</li> <li><input type="checkbox"/> Metalworking 1 * – .50</li> <li><input type="checkbox"/> PLTW Civil Engineering and Architecture – 1.00</li> <li><input type="checkbox"/> PLTW Engineering Design and Development – 1.00</li> <li><input type="checkbox"/> Welding Technician – Entry Level * – .50</li> <li><input type="checkbox"/> Workplace Skills – .50</li> </ul> </div> <p style="text-align: right; margin-top: 10px;">* Course can be taken up to 1.00 credit. <b>3.00 credits required for completion</b></p> <div style="text-align: right; margin-top: 20px;">  </div>

# Skilled and Technical Sciences Education Pathways (continued)

<b>Pathway: Precision Production Trades – Graphics/Printing</b>			
<p><b>Foundation Courses:</b> (1.00 credit required)</p> <p>Adv. Production Graphics – .50                      Digital Print Design * – .50                      Int. Graphic Communications * – .50                      Intro. Graphic Communications * – .50                      Screen Printing Technology * – .50</p>	<p><b>Elective Courses:</b> (2.00 credits required)</p> <p><input type="checkbox"/> Accounting 1 – .50  <input type="checkbox"/> Adv. Commercial Photography * – .50  <input type="checkbox"/> Basic Digital Photography * – .50  <input type="checkbox"/> Basic Film Photography * – .50  <input type="checkbox"/> Business Management – .50</p>	<p><input type="checkbox"/> Commercial and Advertising Art * – .50  <input type="checkbox"/> Design and Visual Communications * – .50  <input type="checkbox"/> Digital Media 1 – 1.00  <input type="checkbox"/> Entrepreneurship – .50  <input type="checkbox"/> Industrial Design * – .50  <input type="checkbox"/> Workplace Skills – .50</p> <p style="text-align: right; font-size: small;">* Course can be taken up to 1.00 credit.  <b>3.00 credits required for completion</b></p>	
<b>Pathway: Precision Production Trades – Machine Tool</b>			
<p><b>Foundation Courses:</b> (1.00 credit required)</p> <p>Machining 1 * – .50                      Machining 2 * – .50</p>	<p><b>Elective Courses:</b> (2.00 credits required)</p> <p><input type="checkbox"/> Accounting 1 – .50  <input type="checkbox"/> Business Management – .50  <input type="checkbox"/> CAD Mechanical Design 1  <input type="checkbox"/> CAD Mechanical Design 2  <input type="checkbox"/> Entrepreneurship – .50  <input type="checkbox"/> Introduction to Automotive * – .50</p>	<p><input type="checkbox"/> Metalworking 1 * – .50  <input type="checkbox"/> PLTW Computer Integrated Manufacturing – 1.00  <input type="checkbox"/> PLTW Engineering Design and Development – 1.00  <input type="checkbox"/> Welding Technician – Entry Level * – 1.00  <input type="checkbox"/> Woodworking * – .50  <input type="checkbox"/> Workplace Skills – .50</p> <p style="text-align: right; font-size: small;">* Course can be taken up to 1.00 credit.  <b>3.00 credits required for completion</b></p>	
<b>Pathway: Precision Production Trades – Welding</b>			
<p><b>Foundation Courses:</b> (1.00 credit required)</p> <p>Welding Tech. – Entry Level * – .50                      Welding Tech. – Int. Level * – .50</p>	<p><b>Elective Courses:</b> (2.00 credits required)</p> <p><input type="checkbox"/> Accounting 1 – .50  <input type="checkbox"/> Business Management – .50  <input type="checkbox"/> CAD Mechanical Design 1 – .50  <input type="checkbox"/> CAD Mechanical Design 2 – .50  <input type="checkbox"/> Electronics 1 – .50  <input type="checkbox"/> Entrepreneurship – .50  <input type="checkbox"/> Machining 1 * – .50</p>	<p><input type="checkbox"/> Machining 2 * – .50  <input type="checkbox"/> Metalworking 1 * – .50  <input type="checkbox"/> PLTW Computer Integrated Manufacturing – 1.00  <input type="checkbox"/> PLTW Engineering Design and Development – 1.00  <input type="checkbox"/> Sheet Metal * – .50  <input type="checkbox"/> Welding Technician – Advanced Level * – .50  <input type="checkbox"/> Workplace Skills – .50</p> <p style="text-align: right; font-size: small;">* Course can be taken up to 1.00 credit.  <b>3.00 credits required for completion</b></p>	

- > 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](http://UtahCTE.org) for additional information.