




**Career Cluster: Manufacturing**

**Career Pathway: Welding & Machining**

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
Exploring Technology	
HIGH SCHOOL	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
Machining 1 *	Sheet Metal
Metalworking 1	Welding Technician, Entry Level *
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.	
Machining 2 *	
Welding Technician, Intermediate Level *	
<b>COMPLETER COURSES:</b> To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Non-Destructive Testing *	Welding-Pipe Fitting
Welding-Structural Fitting	Welding Technician, Advanced Level *
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)	UtahMajors.org: <a href="http://Majors.Guide">Majors Guide</a>

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Tool and Die Maker > Tool Maker > Welder	> Machine Tool Technician > Welding Technician	> CTE Teacher > Machine Tool Engineer > Welding Engineer

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

**Student Testimonial**

"The welding and agricultural classes [I took in high school] gave me the needed skills to be successful in my career and in all aspects of life."

Erica McPherson  
 Delta High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Manufacturing**

UtahCTE.org: [Fact Sheet](http://FactSheet)  
 Department of Workforce Services  
[Utah Occupational Explorer](http://UtahOccupationalExplorer)

**FFA | SkillsUSA**

is the Career and Technical Student Organization (CTSO) for students in the Welding & Machining Career Pathway.

[FFA.org](http://FFA.org) | [SkillsUSA.org](http://SkillsUSA.org)  
[UtahFFA.org](http://UtahFFA.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org)  
[Utah FFA flyer](http://UtahFFA.org) | [SkillsUSA flyer](http://SkillsUSA.org)

