



## Career Cluster: Manufacturing


### Career Pathway: Welding & Machining

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

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](#)  
 Department of Workforce Services  
[Utah Occupational Explorer](#)

### FFA | SkillsUSA

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

[FFA.org](#) | [SkillsUSA.org](#)  
[UtahFFA.org](#) | [UtahSkillsUSA.org](#)  
[Utah FFA flyer](#) | [SkillsUSA flyer](#)

