



**Career Cluster: Manufacturing**

**Career Pathway: Manufacturing & Production**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>
<b>HIGH SCHOOL</b>
<b>SUPPORTING COURSES:</b> Suggested high school course that supports the Career Pathway (Course DOES NOT count towards the Pathway)
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
<b>POSTSECONDARY:</b>
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a>   UtahMajors.org: <a href="#">Utah Majors Guide</a>
Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</a>

\* concurrent enrollment course + recommended explorer course

<b>HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING</b>			
There are several options for education and training beyond high school, depending on your career goals.			
	<b>1-Year Certificate</b> > Production Technician	<b>2-Year Assoc. or Tech. Degree</b> N/A	<b>4-Year Bachelor's Degree</b> > CTE Teacher > Manufacturing Engineer

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

**Student Testimonial**

"I would like a career as a **manufacturing engineer** and go on to pursue my own business in the manufacturing industry. CTE gave me experience for what my career will be like. CTE also [allowed me] to be able to work on the skills that I need to improve on in that specific area."

Garret Maycock  
 Tooele High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Manufacturing**

UtahCTE.org: [Fact Sheet](#)

UtahFutures.org: [Occupation/Wage Search](#)

**SkillsUSA | TSA**

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

[SkillsUSA.org](http://SkillsUSA.org) | [TSAweb.org](http://TSAweb.org)  
[UtahSkillsUSA.org](http://UtahSkillsUSA.org) | [UtahTSA.org](http://UtahTSA.org)  
[SkillsUSA flyer](#) | [Utah TSA flyer](#)






**Career Cluster: Manufacturing**

**Career Pathway: Welding & Machining**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>
<b>HIGH SCHOOL</b>
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
<b>POSTSECONDARY:</b>
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a>   UtahMajors.org: <a href="#">Utah Majors Guide</a>
Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</a>

\* concurrent enrollment course + recommended explorer course

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

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**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](#)

UtahFutures.org: [Occupation/Wage Search](#)

**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](#) | [SkillsUSA flyer](#)

