



Career Cluster: Manufacturing

Career Pathway: Manufacturing & Production

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Exploring Technology		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school course that supports the Career Pathway (Course DOES NOT count towards the Pathway)		
Secondary Math 2		
EXPLORER COURSES: Choose one or more of the following courses.		
Biomanufacturing 1	Composites 1 +	Plastics 1 +
CAD Mechanical Design 1 *	Manufacturing Principles 1	Woods 1 +
CAM Automated Manufacturing	Manufacturing Technology	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Biomanufacturing 2	Manufacturing Principles 2	Woods 2
Composites 2	Plastics 2	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Woods 3		
CTE Internship	Apprenticeship	
POSTSECONDARY: There are many options for education and training beyond high school.		
Utah System of Higher Education: ushe.edu (Utah's public colleges and universities)		UtahMajors.org: Majors Guide

* 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.			
	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Production Technician	N/A	> CTE Teacher > Manufacturing Engineer

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value. [Credentials of Value](#)

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

Advice to Students

"I would definitely recommend taking CTE classes during high school. They teach multiple skills that you can use in life and give you many experiences that will allow you to have a head start in life."

Luke Asher
 Future Precision Machinist

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Manufacturing

UtahCTE.org: [Fact Sheet](#)

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

SkillsUSA | TSA

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

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

