

Manufacturing & Production CAREER PATHWAY

Manufacturing CAREER CLUSTER

Career Cluster: Manufacturing

Career Pathway: Manufacturing & Production

JUNIOR HIGH / MIDDLE SCHOO	L				
College and Career Awareness					
Exploring Technology					
HIGH SCHOOL					
SUPPORTING COURSES: Sugge	ested high school course that suppo	orts the Career Pathway (Course DOE	S NOT count towards the Pathway)	
Secondary Math 2					
EXPLORER COURSES: Choose of	one or more of the following courses	S.			
Biomanufacturing 1	Composites 1 +	Composites 1 + Plas		cs 1 +	
CAD Mechanical Design 1 *	Manufacturing Princip	Manufacturing Principles 1		Woods 1 +	
CAM Automated Manufacturing	Manufacturing Techn	Manufacturing Technology			
CONCENTRATOR COURSES: To	o be a concentrator you must pass	one of the following cours	ses AND one	e explorer course.	
Biomanufacturing 2	÷ .	Manufacturing Principles 2		Woods 2	
Composites 2	Plastics 2	Plastics 2			
COMPLETER COURSES: To be a	a completer you must pass a conce	ntrator course and enoug	h courses to	equal 3.0 credits in this Pathway.	
Woods 3					
CTE Internship <u>Apprenticeship</u>					
POSTSECONDARY: There are m	any options for education and train	ing beyond high school.			
Utah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities) UtahMajors			UtahMajors.	org: <u>Majors Guide</u>	
* concurrent enrollment course + recommended explorer course					
HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING					
There are several option	ons for education and training	beyond high school,	depending	g on your career goals.	
COLLEGE	1-2 Year	2-Year		4-Year	
	Certificate	Associate De	gree	Bachelor's Degree	
	> Production Technician	N/A		 > CTE Teacher > Manufacturing Engineer 	
	al Education provides all students	I			

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. <u>Credentials of Value</u>

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 Future Manufacturing Engineer

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 flyer | Utah TSA flyer





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CTE[®] Learning that works for Utah

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Career Cluster: Manufacturing

Career Pathway: Welding & Machining

Welding Technician, Entry Level *					
owing courses AND one	explorer course.				
Machining 2 *					
Welding Technician, Intermediate Level *					
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.					
Welding-Pipe Fitting					
Welding Technician, Advanced Level *					
Apprenticeship					
gh school.					
versities) 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.					
2-Year	4-Year				
Tool Technician	Bachelor's Degree > CTE Teacher > Machine Tool Engineer > Welding Engineer				
	e and enough courses to ipe Fitting echnician, Advanced Le ship gh school. s) UtahMajors UCATION AND h school, depending 2-Year ociate Degree Tool Technician				

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Student Testimonial

"I found a love for a career in my welding courses. These courses have shown me that I need to study heavily, work with my team, and be prepared for my future. CTE courses not only teach you skills that are highly useful but introduces you to industries that are in high demand for workers."

> Marcus Duran Future Welder

LEARN MORE ABOUT OCCUPATIONS AND WAGES

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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





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