Utah Career and Technical Education
Career Pathway Chart
2021-2022 School Year

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.
- CAD Mechanical Design 1 *
- Composites 1 +
- Plastics 1 +
- Manufacturing Technology
- CAM Automated Manufacturing
- Manufacturing Principles 1
- Woods 1 +

CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.
- Composites 2
- Plastics 2
- Woods 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

POSTSECONDARY:
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.

<table>
<thead>
<tr>
<th>1-2 Year Certificate</th>
<th>2-Year Associate Degree</th>
<th>4-Year Bachelor’s Degree</th>
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<tbody>
<tr>
<td>&gt; Production Technician</td>
<td>N/A</td>
<td>&gt; CTE Teacher</td>
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<tr>
<td>&gt; Manufacturing Engineer</td>
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</tbody>
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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
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

SkillsUSA
Learning that works for Utah

132107-DL
Published January 2021
ADA Compliant January 2021