Manufacturing

The Manufacturing Career Cluster focuses on preparing students for employment in careers that relate to the planning and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

**Utah Career and Technical Education (CTE) Career Pathways Align with the National Career Clusters.**

5,595 students concentrated in a CTE Career Pathway within the Manufacturing Career Cluster, with 171,489 students enrolled in CTE courses. (SY 2019-2020)

CTE provides all students access to high-quality rigorous career focused programs that result in attainment of credentials with labor market value.

**Top Three**

CTE Skill Certifications earned by students in CTE Career Pathways within the Manufacturing Career Cluster. (SY 2019-2020)

<table>
<thead>
<tr>
<th>Skill</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD Mech. Design</td>
<td>1,813</td>
</tr>
<tr>
<td>Manufacturing Tech.</td>
<td>972</td>
</tr>
<tr>
<td>Welding Tech., Entry</td>
<td>650</td>
</tr>
</tbody>
</table>

2,110 CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

Students have an opportunity to earn third-party certifications in the Manufacturing Career Cluster.

**Student Success**

“My long-term occupation and educational goal is to get a job working in the aerospace industry making composites. I appreciate the opportunity I have had to pursue CTE classes, both in high school and in the composites program at Mountainland Technical College. I feel like I have a head start on my future career. I feel that through taking CTE classes I was able to find a plan that will work for me.”

Jacob Michael Argyle

4,854 students are members of a Career and Technical Student Organization (CTSO) aligned with the Manufacturing Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of SkillsUSA or TSA. (SY 2019-2020)

UtahSkillsUSA.org | SkillsUSA.org
UtahTSA.org | TSAweb.org

**CTE Career Pathways**

Through participation in CTE Career Pathways students learn how to become productive employees and gain the academic skills to increase their earning potential while still in high school. Utah CTE Career Pathways are categorized by Career Cluster and each Career Pathway culminates in an industry-recognized credential of value.

Manufacturing Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

> Manufacturing & Production
> Welding & Machining

Data Represents Secondary Education
Source of Data: Utah State Board of Education
May 2021

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