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.

**Manufacturing**

**Fifty-two**

percent of students statewide **concentrated** in a CTE Career Pathway. A **concentrator** is a student who has completed **1.5 credits** in a single CTE program of study.

**Twenty-one**

percent of students statewide **completed** a CTE Career Pathway. A **completer** is a student who has completed **3.0 credits** in a single CTE program of study.

**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

**TOP THREE**

industry certifications earned by students in CTE Career Pathways within the Manufacturing Career Cluster.

- 3,822 Woodworking
- 2,559 Physics w/ Technology
- 1,813 Manuf. Technology

Industry-based certifications are awarded through validation of skills in cooperation with a business, trade association, or other industry group.

**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

**11,069**

CTE Skill Certificates awarded to students in the Manufacturing Career Cluster.

(SY 2018-2019)