


# Career and Technical Education

## Academy for Math, Engineering & Science

Wasatch Front South Region

## 2021-2022 AT-A-GLANCE

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.

 CTE Learning that works for Utah

# 333

Students enrolled in CTE courses

# 96.3%

Graduation rate for students who are CTE **concentrators**

# 100%

Graduation rate for students who are CTE **completers**



Compared to the AMES graduation rate of

# 96.5%

# 96.3%

of CTE concentrators graduate in 4 years.

Asian	100%
Black	100%
Native American	100%
Pacific Islander	100%
Students w/ disabilities	100%
Caucasian	96.5%
Students from low-income families	93.3%
Hispanic	90%

# 65%\*

of students **concentrated** in a CTE Career Pathway. A **concentrator** is a student who has completed specific requirements in a single CTE program of study.

# 31%\*

of students **completed** a CTE Career Pathway. A **completer** is a student who has completed specific course requirements and earned 3.0 credits in a single CTE program of study.

\* Perkins V strengthens the requirements for a student to become a concentrator and completer. Percentages have decreased over prior years as a result of the new Perkins V definitions.



# 66%

of students regionwide who concentrated in a CTE Pathway placed in postsecondary education, advanced training, military service, or employment.



(October 1-December 31, 2020-2021)

## CREDENTIALS OF VALUE

PORTABLE. STACKABLE. TRANSFERABLE. THIRD-PARTY. DRIVEN BY EMPLOYERS.

# 89

CTE Skill Certifications earned



Skill Certifications are aligned with standards and objectives set by the state of Utah. Certifications are earned based on students' knowledge and performance.

# 5,686

Third-Party\*\* certifications earned regionwide

### TOP CERTIFICATIONS:

MOS Word, PowerPoint, Excel  
 Food Handlers Permit  
 Automotive  
 MOS Associate (Office)  
 Nurse Assistant (CNA)  
 Adobe: Visual Comm. Photoshop, Illustrator



\*\* business, trade association, or other industry group.

## Top Pathways

Students completing a CTE Career Pathway are recognized by the state of Utah and their high school by receiving a CTE Secondary Pathway Completer Recognition Award.

### CTE Career Pathways with the Highest Completer Rates

- Engineering
- Information Technology Systems
- Programming & Software Development
- Food Science, Dietetics & Nutrition
- Manufacturing & Production
- Health Science
- Auto Mechanics & Repairs
- Pre-K: Early Childhood Education
- Business Administration

### Work-Based Learning (WBL)

is an instructional strategy that prepares students for success in careers through direct involvement with business/ industry and community professionals.



### Work-Based Learning

#### Benefits to students participating in WBL:

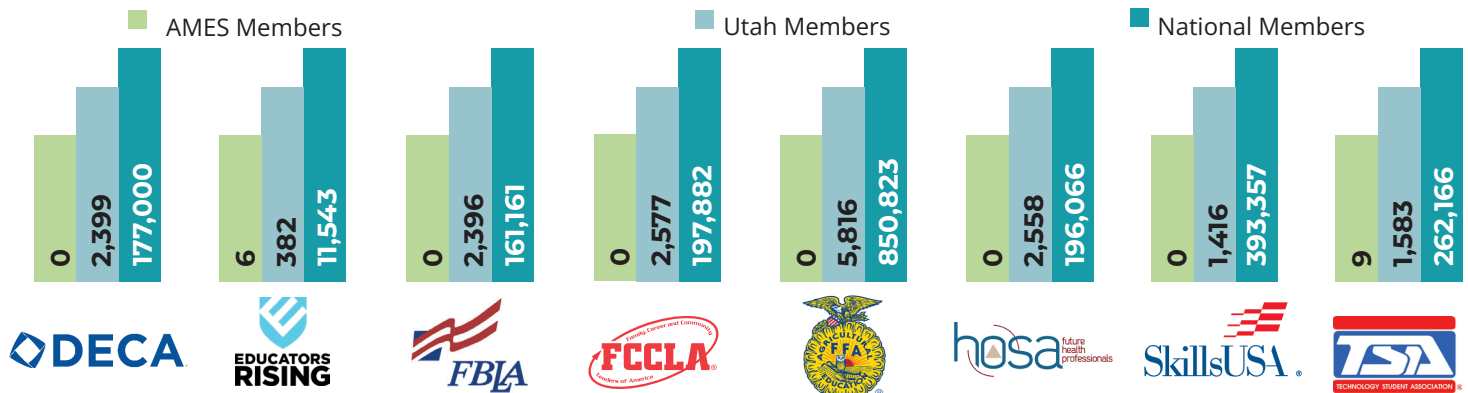
- Awareness of career options and skills required.
- Development of technical knowledge and skills.
- Practical application of academic, technical knowledge, and skills.
- Demonstration of workplace skills.

**Utah WBL K-12 includes** guest speakers, career fairs, job shadows, field studies, school-based enterprises, internships, and apprenticeships.



# 15

students are members of a Career and Technical Student Organization (CTSO).



Students who participate in school organizations in 10th grade have higher grade point averages and are more likely to be enrolled in college at 21 years of age than other students (ctsos.org).

# 15,347

 students regionwide participated in

## College & Career Awareness

College and Career Awareness is a middle school course designed to increase awareness of college and career pathways. Students explore high school, college, and career options based on individual **interests**, **abilities**, and **skills**. Students investigate high-skill and/or in-demand jobs in the Utah labor market, while developing workplace skills.

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

# 27

CTE Concurrent Enrollment (CE) credits earned

Students have opportunities to earn CE credits in CTE courses. CE provides prepared high school students with a challenging and rigorous college-level experience. Students in the program receive both college and high school credit.

