

Career and Technical Education


NUAMES

(Northern Utah Academy for Math, Engineering and Science)

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.

Wasatch Front North Region

 Learning that works for Utah

1,043

Students enrolled in CTE courses

100%

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

100%

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

Compared to the NUAMES graduation rate of

100%



43%*

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.

14%*

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.



100%

of CTE concentrators graduate in 4 years.

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

83%

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.

728

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.

195

Third-Party** certifications earned

TOP CERTIFICATIONS:

- Emergency Medical Responder
- Engineering Capstone
- MOS Word or Word Expert
- MOS PowerPoint
- Aerospace Engineering
- MOS Excel or Excel Expert



** 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
- Architectural Design (CAD)
- Information Technology Systems
- Health Science
- Programming & Software Development
- Broadcasting & Digital Media
- Manufacturing & Production
- K-12: Teaching as a Profession
- Web Development

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:

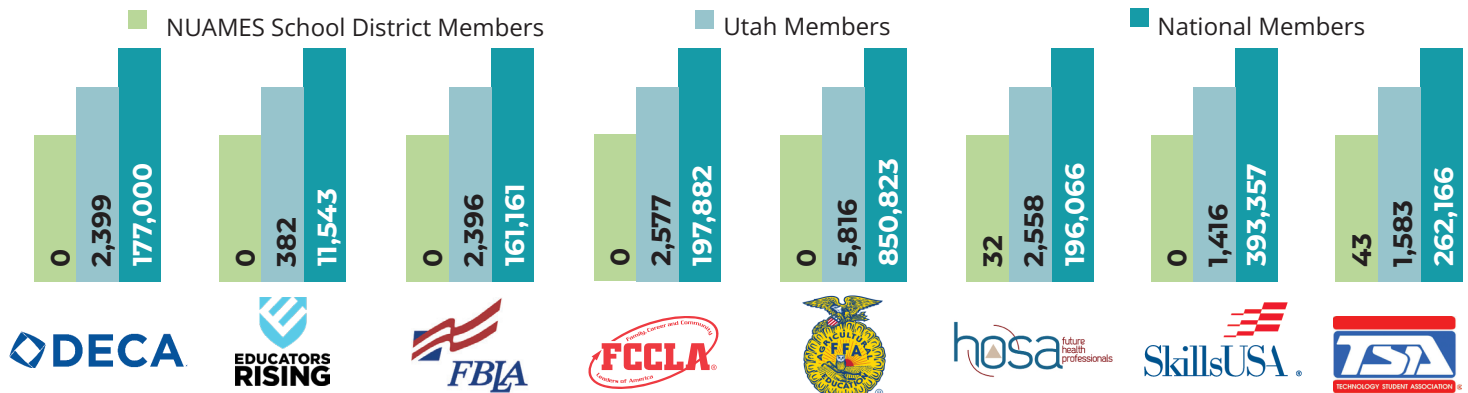
- Awareness of career options and skills required.
- Development of technical knowledge and skills.
- Practical application of academic, technical knowledge, and skills.
- Demonstration of workplace skills.

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



75

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).

11,142

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.

5,517

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.

