Agriculture, Food & Natural Resources

The Agriculture, Food & Natural Resources Career Cluster focuses on preparing students for employment in careers that relate to the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

<table>
<thead>
<tr>
<th>47,580</th>
<th>45.9%*</th>
<th>15.3%*</th>
</tr>
</thead>
<tbody>
<tr>
<td>students concentrated in a CTE Career Pathway within the Agriculture, Food &amp; Natural Resources Career Cluster, with 171,489 students enrolled in CTE courses. (SY 2019-2020)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>of students statewide concentrated in a CTE Career Pathway. A concentrator is a student who has completed specific requirements in a single CTE program of study.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>of students statewide 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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 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.

**TOP THREE CTE Skill Certifications**

<table>
<thead>
<tr>
<th>7,758</th>
<th>1,079</th>
<th>1,039</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food &amp; Nutrition 1</td>
<td>Floriculture</td>
<td>Food &amp; Nutrition 2</td>
</tr>
</tbody>
</table>

CTE Skill Certifications earned by students in CTE Career Pathways within the Agriculture, Food & Natural Resources Career Cluster. (SY 2019-2020)

**9,228**

students are members of a Career and Technical Student Organization (CTSO) aligned with the Agriculture, Food & Natural Resources Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of FFA or FCCLA. (SY 2019-2020)

UtahFFA.org | FFA.org
UtahFCCLA.org | FCCLAIinc.org

**Student Success**

“My CTE classes and my leadership experience in 4-H and FFA have laid a strong foundation on which I can build upon. I plan to go to college to complete a teaching degree. I like the idea of ‘paying it forward.’ I have had a wonderful education experience and I hope to provide that for the future students I will teach.”

Kaitlin Hallam

**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.

**Agriculture, Food & Natural Resources Career Cluster**

**Utah CTE Career Pathways: (SY 2020-2021)**

- Agricultural Mechanics Systems
- Agricultural Production Systems
- Animal & Veterinary Science
- Food Science, Dietetics & Nutrition
- Natural Resource Science
- Plant Science

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Sydney Dickson, E.D.D., State Superintendent of Public Instruction
Thalea Longhurst, State Director of Career and Technical Education

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

The Architecture & Construction Career Cluster focuses on preparing students for employment in careers that relate to the designing, planning, managing, building, and maintaining the constructed environment.

UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.

5,136
students concentrated in a CTE Career Pathway within the Architecture & Construction 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 Architecture & Construction Career Cluster. (SY 2019-2020)

<table>
<thead>
<tr>
<th>CTE Skill Certification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior Design 1</td>
<td>2,291</td>
</tr>
<tr>
<td>Digital Graphic Arts, Intro</td>
<td>1,950</td>
</tr>
<tr>
<td>Marketing 1</td>
<td>765</td>
</tr>
</tbody>
</table>

5,840
CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

140
Third-party certifications earned by students in the Architecture & Construction Career Cluster. (SY 2019-2020)

Student Success

“The most influential decision I made during high school was to participate in a CTE Internship. The path towards interior design began with my quick start into the field through my internship. Because my decision was made during high school I didn’t have to waste thousands of dollars in tuition trying to decide on a major. My high school education helped me in pursuing such a rigorous program.”

Paige Kirschbaum

4,854
students are members of a Career and Technical Student Organization (CTSO) aligned with the Architecture & Construction 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.

Architecture & Construction Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)
> Architectural Design (CAD)
> Construction & Structural Systems
> Interior Design
Arts, Audio/Visual Technology & Communications

The Arts, Audio/Visual Technology & Communications Career Cluster focuses on preparing students for employment in careers that relate to the designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts, design, journalism, and entertainment services.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

36,203 students concentrated in a CTE Career Pathway within the Arts, Audio/Visual Technology & Communications Career Cluster, with 171,489 students enrolled in CTE courses.

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**

- **Digital Photography**: 3,101
- **Digital Graphic Arts, Intro**: 1,950
- **Apparel Design & Production**: 1,746

13,173 CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

45.9%* of students statewide concentrated in a CTE Career Pathway.

A concentrator is a student who has completed specific requirements in a single CTE program of study.

15.3%* of students statewide 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.

**Student Success**

“The information I learned from the CTE classes provided me with a knowledge base about the theories and application of fashion design. I found it exciting and motivating to be able to take classes in high school that fulfilled my passions. It not only satisfied my desire to learn about this field but the CTE classes also has made me more knowledgeable and more prepared for college and employment in my field of study.”

Tyllar Hubbard

5,226 students are members of a Career and Technical Student Organization (CTSO) aligned with the Arts, Audio/Visual Technology & Communications Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of FCCLA or SkillsUSA. (SY 2019-2020)

UtahFCCLA.org | FCCLAinc.org
UtahSkillsUSA.org | SkillsUSA.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.

**Arts, Audio/Visual Technology & Communications Career Cluster**

*Utah CTE Career Pathways: (SY 2020-2021)*

- Broadcasting & Digital Media
- Fashion, Apparel & Textiles
- Graphic Design & Communication

193 Third-party certifications earned by students in the Arts, Audio/Visual Technology & and Communications Career Cluster. (SY 2019-2020)

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

Utah State Board of Education | 250 East 500 South | P.O. Box 144200 | Salt Lake City, UT 84114-4200
Sydnee Dickson, Ed.D., State Superintendent of Public Instruction
Thalea Longhurst, State Director of Career and Technical Education

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

The Business, Finance & Marketing Career Cluster focuses on preparing students for employment in careers that relate to the planning, managing, organizing, directing and evaluating business functions essential to efficient and productive business operations.

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

27,550

students concentrated in a CTE Career Pathway within the Business, Finance & Marketing 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 Business, Finance & Marketing Career Cluster. (SY 2019-2020)

<table>
<thead>
<tr>
<th>Certification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus. Office Specialist</td>
<td>2,498</td>
</tr>
<tr>
<td>Digital Graphic Arts, Intro</td>
<td>1,950</td>
</tr>
<tr>
<td>Accounting 1</td>
<td>946</td>
</tr>
</tbody>
</table>

45.9%*

of students statewide concentrated in a CTE Career Pathway.

A concentrator is a student who has completed specific requirements in a single CTE program of study.

15.3%*

of students statewide 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.

Student Success

“The [Microsoft Office Specialist] certifications helped me land my current job at Lowe’s Home Improvement. I am the manager there and perform all of the administrative functions. I do all of the accounting, bookkeeping, data entry, and reporting. I’m using Microsoft Office daily, especially Excel.”

Andrew Mc Lay

5,633

students are members of a Career and Technical Student Organization (CTSO) aligned with the Business, Finance & Marketing Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of DECA or FBLA. (SY 2019-2020)

UtahDECA.org | DECAdirect.org
Utah-FBLA-pbl.org | FBLA-pbl.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.

Business, Finance & Marketing Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

> Accounting & Finance
> Business Administration
> Business Information Management
> Marketing


1,635

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Computer Science & Information Technology

The Computer Science & Information Technology Career Cluster focuses on preparing students for employment in careers related to building linkages in IT occupations for entry level, technical and professional careers that relate to the design, development, support and management of hardware, software, multimedia and systems integration services.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

3,886 students concentrated in a CTE Career Pathway within the Computer Science & Information Technology 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 Computer Science & Information Technology Career Cluster. (SY 2019-2020)

<table>
<thead>
<tr>
<th>Skill Certification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploring Comp. Sc.</td>
<td>4,395</td>
</tr>
<tr>
<td>Digital Graphics Arts, Intro</td>
<td>1,950</td>
</tr>
<tr>
<td>Computer Programming</td>
<td>1,651</td>
</tr>
</tbody>
</table>

9,822 CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

45.9% of students statewide concentrated in a CTE Career Pathway.

A concentrator is a student who has completed specific requirements in a single CTE program of study.

15.3% of students statewide 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.

**Student Success**

“To reach my goal of becoming a graphic designer and animator, I will need to gain both an education and extensive experience. I have begun my experience and education by taking multiple CTE classes while still in high school, that will prepare me for the fields of graphic design and animation. The CTE classes have given me the preparation and foundation for college that I will need to stay one step ahead in order to succeed.”

Lauren Yancey

7,714 students are members of a Career and Technical Student Organization (CTSO) aligned with the Computer Science & Information Technology Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of FBLA, SkillsUSA or TSA. (SY 2019-2020)

[Links to UtahFBLA.org, UtahSkillsUSA.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.

**Computer Science & Information Technology Career Cluster**

**Utah CTE Career Pathways: (SY 2020-2021)**

- Cybersecurity
- Information Technology Systems
- Programming & Software Development
- Web Development

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Thalea Longhurst, State Director of Career and Technical Education

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.
The Education & Training Career Cluster focuses on preparing students for employment in careers that relate to the planning, managing, and providing education and training services, and related learning support services.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

* 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.

**Student Success**

“My career goal is to become a high school welding teacher. My plan is to attend Utah Valley University and get a bachelor’s degree in education. CTE classes have changed my life. All of these classes have taught me skills that I can apply in life, some of which I have already applied in the workforce.”

Miguel Lopez

**23,606** students are members of a Career and Technical Student Organization (CTSO) aligned with the Education & Training Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of DECA, Educators Rising, FBLA, FCCLA, FFA, HOSA, SkillsUSA, or TSA. (SY 2019-2020)

**TOP THREE CTE Skill Certifications** earned by students in CTE Career Pathways within the Education & Training Career Cluster. (SY 2019-2020)

<table>
<thead>
<tr>
<th>Certification</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food &amp; Nutrition 1</td>
<td>7,758</td>
</tr>
<tr>
<td>Child Development</td>
<td>3,353</td>
</tr>
<tr>
<td>Early Childhood Ed. 1A</td>
<td>965</td>
</tr>
</tbody>
</table>

**13,002** CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

**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.

**Education & Training Career Cluster**

Utah CTE Career Pathways: (SY 2020-2021)

- Pre-K: Early Childhood Education
- K-12: Teaching as a Profession

**285** students concentrated in a CTE Career Pathway within the Education & Training 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.

**45.9%** of students statewide concentrated in a CTE Career Pathway.

A concentrator is a student who has completed specific requirements in a single CTE program of study.

**15.3%** of students statewide 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.

**523** Third-party certifications earned by students in the Education & Training Career Cluster. (SY 2019-2020)

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.
The Engineering & Technology Career Cluster focuses on preparing students for employment in careers that relate to the planning, managing, and providing professional and technical services, including research and development services.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

4,771 students concentrated in a CTE Career Pathway within the Engineering & Technology 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 Engineering & Technology Career Cluster.** (SY 2019-2020)

- *Welding Tech, Entry* 650
- *CAD Mech. Design 1* 457
- *Robotics 1* 374

2,502 CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

**Student Success**

“I want to earn an AAS degree in mechatronics. After completing my degree I plan on finding work with a company designing production equipment. My high school engineering instructor was an amazing person and has influenced my love of this field and the path that I have chosen.”

Connor Hendry

2,659 students are members of a Career and Technical Student Organization (CTSO) aligned with the Engineering & Technology Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of TSA. (SY 2019-2020)

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.

**Engineering & Technology Career Cluster**

**Utah CTE Career Pathways: (SY 2020-2021)**

- Engineering
- Mechanical Design (CAD)
Health Science

The Health Science Career Cluster focuses on preparing students for employment in careers that relate to the planning, managing, and providing therapeutic services, health informatics, support services, and biotechnology research and development.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

29,453 students concentrated in a CTE Career Pathway within the Health Science 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 Health Science Career Cluster.**

- 902 Medical Terminology
- 746 Health Sciences, Intro
- 219 Medical Assistant

2,762 CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

45.9% of students statewide concentrated in a CTE Career Pathway.

A concentrator is a student who has completed specific requirements in a single CTE program of study.

15.3% of students statewide 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.

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**Student Success**

“In the CNA class I learned many skills. Most importantly I learned how to interact with people from all walks of life and care for them in the ways I would want my loved ones to be cared for.

“It’s a requirement for many RN programs to have your CNA before applying to nursing school. I’m glad that CTE gave me the chance to complete that requirement in high school.”

Marie-Chantal Niwenshuti

---

3,667 students are members of a Career and Technical Student Organization (CTSO) aligned with the Health Science Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of HOSA. (SY 2019-2020)

UtahHOSA.wordpress.org | HOSA.org

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**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.

**Health Science Career Cluster**

Utah CTE Career Pathways: (SY 2020-2021)

> Health Science
Hospitality & Tourism

The Hospitality & Tourism Career Cluster focuses on preparing students for employment in careers that relate to the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

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

4,579 students concentrated in a CTE Career Pathway within the Hospitality & Tourism 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.

45.9%* of students statewide concentrated in a CTE Career Pathway.

A concentrator is a student who has completed specific requirements in a single CTE program of study.

15.3%* of students statewide 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.

Student Success

“I’m going to further my education after high school and study how to become a pastry chef. One day I plan to open my own bakery. By taking culinary classes in high school, I will take the skills and knowledge of food that have learned to the next level and become the best pastry chef I can be.”

Marissa Muhlestein

5,891 students are members of a Career and Technical Student Organization (CTSO) aligned with the Hospitality & Tourism Career Cluster. Students who participate in the related CTE Career Pathways have the opportunity to join the Career and Technical Student Organization (CTSO) of FBLA or FCCLA. (SY 2019-2020)

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.

Hospitality & Tourism Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)
> Culinary Arts
> Hospitality & Tourism

1,319 Third-party certifications earned by students in the Hospitality & Tourism Career Cluster. (SY 2019-2020)
The **Human Services** Career Cluster focuses on preparing students for employment in careers that relate to the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

**Top Three**

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

- **946** Accounting 1
- **720** Business Management
- **1,666** CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

**12**
Third-party certifications earned by students in the **Human Services** Career Cluster. (SY 2019-2020)

**Student Success**

“My occupational goal is to become a master esthetician and own my own practice employing multiple estheticians and staff. CTE courses have developed skills enabling me to be a step ahead of my peers. I will graduate from high school and immediately be able to compete for desirable jobs in my chosen field.”

Madelyn Lundquist

**2,195** students are members of a Career and Technical Student Organization (CTSO) aligned with the **Human Services** 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. (SY 2019-2020)

UtahSkillsUSA.org | SkillsUSA.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.

**Human Services Career Cluster**

**Utah CTE Career Pathways: (SY 2020-2021)**

- > Personal Care Services
The Law, Public Safety, Corrections & Security Career Cluster focuses on preparing students for employment in careers that relate to the planning, managing and providing legal, public safety, protective services and homeland security, including professional and technical support services.

**Top Three CTE Skill Certifications** earned by students in CTE Career Pathways within the Law, Public Safety, Corrections & Security Career Cluster. (SY 2019-2020)

<table>
<thead>
<tr>
<th>CTE Skill Certification</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law Enforcement</td>
<td>693</td>
</tr>
</tbody>
</table>

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.

**Law, Public Safety, Corrections & Security Career Cluster**

**Utah CTE Career Pathway** (SY 2020-2021)

> Protective Services

*Percentages have decreased over prior years as a result of the new Perkins V definitions.*

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.
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 Certification</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](UtahSkillsUSA.org) | [SkillsUSA.org](SkillsUSA.org) | [UtahTSA.org](UtahTSA.org) | [TSAweb.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
Transportation, Distribution & Logistics

The Transportation, Distribution & Logistics Career Cluster focuses on preparing students for employment in careers that relate to the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

**UTAH CAREER AND TECHNICAL EDUCATION (CTE) CAREER PATHWAYS ALIGN WITH THE NATIONAL CAREER CLUSTERS®.**

5,778 students concentrated in a CTE Career Pathway within the Transportation, Distribution & Logistics 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**

- Auto Service, Intro: 826
- Welding Tech., Entry: 650
- Electronics: 101

1,580 CTE Skill Certifications earned by students in this Career Cluster. (SY 2019-2020)

45.9% of students statewide concentrated in a CTE Career Pathway. A concentrator is a student who has completed specific requirements in a single CTE program of study.

15.3% of students statewide 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.

**Student Success**

“I completed a CTE Internship at a local garage in my community. Because of the courses I have taken, the safety certifications I have earned, and my internship, Jiffy Lube hired me on the spot. The CTE Pathways program helped me learn to set goals and make wise choices. CTE courses gave me real-life, marketable skills.”

Trever Gardner

2,195 students are members of a Career and Technical Student Organization (CTSO) aligned with the Transportation, Distribution & Logistics 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. (SY 2019-2020)

[UtahSkillsUSA.org | SkillsUSA.org](UtahSkillsUSA.org | SkillsUSA.org)

**CTE Career Pathways**

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**Transportation, Distribution & Logistics Career Cluster**

**Utah CTE Career Pathways: (SY 2020-2021)**

- Auto Mechanics & Repairs
- Aviation
- Diesel


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