

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.



Agriculture, Food & Natural Resources
Utah Career and Technical Education
CAREER CLUSTERS

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

5,865

students concentrated in a CTE Career Pathway within the **Agriculture, Food & Natural Resources** Career Cluster, with **163,690 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

industry certifications earned by students in CTE Career Pathways within the **Agriculture, Food & Natural Resources** Career Cluster.

12,241 Food & Nutrition 1

4,084 Food & Nutrition 2

2,078 Animal Science 1

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

24,277

CTE Skill Certificates awarded to students in the **Agriculture, Food & Natural Resources** Career Cluster.

(SY 2018-2019)

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 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

9,341

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 2018-2019)

UtahFFA.org | FFA.org
UtahFCCLA.org | FCCLAinc.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.

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

 **CTE** Learning that works for Utah

2018-2019 Data Represents Secondary Education
Source of Data: Utah State Board of Education

May 2020

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.

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.



Architecture & Construction
Utah Career and Technical Education
CAREER CLUSTERS

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

1,083

students concentrated in a CTE Career Pathway within the **Architecture & Construction** Career Cluster, with **163,690** 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

industry certifications earned by students in CTE Career Pathways within the **Architecture & Construction** Career Cluster.

3,527 Interior Design 1

544 CAD Arch. Design 1

431 Interior Design 2

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

4,951

CTE Skill Certificates awarded to students in the **Architecture & Construction** Career Cluster.

(SY 2018-2019)

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

“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

3,767

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](https://www.skillsusa.org) or [TSA](https://www.tsa.org). (SY 2018-2019)

[UtahSkillsUSA.org](https://www.UtahSkillsUSA.org) | [SkillsUSA.org](https://www.SkillsUSA.org)
[UtahTSA.org](https://www.UtahTSA.org) | [TSAweb.org](https://www.TSAweb.org)

CTE Career Pathways

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Architecture & Construction Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

- > Architectural Design (CAD)
- > Construction & Structural Systems
- > Interior Design

 **CTE** Learning that works for Utah

2016-2017 Data Represents Secondary Education
Source of Data: Utah State Board of Education

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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®.

2,999

students concentrated in a CTE Career Pathway within the **Arts, Audio/Visual Technology & Communications** Career Cluster, with **163,690 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

industry certifications earned by students in CTE Career Pathways within the **Arts, Audio/Visual Technology & Communications** Career Cluster.

5,637 Basic Digital Photo.

3,157 Apparel Design & Prod. 1

2,060 Video Production 1

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

20,586

CTE Skill Certificates awarded to students in the **Arts, Audio/Visual Technology & Communications** Career Cluster.

(SY 2018-2019)

Fifty-two

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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

"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

4,383

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 2018-2019)

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

CTE Career Pathways

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Arts, Audio/Visual Technology & Communications Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

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

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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.



Business, Finance & Marketing
Utah Career and Technical Education
CAREER CLUSTERS

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

1,576

students concentrated in a CTE Career Pathway within the **Business, Finance & Marketing** Career Cluster, with **163,690** 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

industry certifications earned by students in CTE Career Pathways within the **Business, Finance & Marketing** Career Cluster.

4,141 Bus.Office Specialist

1,465 Digital Business Apps.

1,439 Entrepreneurship

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

15,635

CTE Skill Certificates awarded to students in the **Business, Finance & Marketing** Career Cluster.

(SY 2018-2019)

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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, book-keeping, data entry, and reporting. I’m using Microsoft Office daily, especially Excel.”

Andrew McLay

5,844

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 2018-2019)

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

CTE Career Pathways

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Business, Finance & Marketing Career Cluster

Utah CTE Career Pathways: (SY 2019-2020)

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

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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®.

3,227

students concentrated in a CTE Career Pathway within the **Information Technology** Career Cluster, with **163,690 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.

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.

TOP THREE

industry certifications earned by students in CTE Career Pathways within the **Information Technology** Career Cluster.

9,589 Ex. Comp. Science

1,766 Computer Prog. 1

732 Web Development 1

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

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

6,713

students are members of a Career and Technical Student Organization (CTSO) aligned with the **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 2018-2019)

Utah-FBLA-pbl.org | FBLA-pbl.org
UtahSkillsUSA.org | SkillsUSA.org
UtahTSA.org | TSAweb.org

CTE Career Pathways

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Information Technology Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

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

 **Learning that works for Utah**

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13,901

CTE Skill Certificates awarded to students in the **Information Technology** Career Cluster.

(SY 2018-2019)

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Education & Training

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®.

6,181

students concentrated in a CTE Career Pathway within the **Education & Training** Career Cluster, with **163,690 students enrolled in CTE courses.**

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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.

TOP THREE

industry certifications earned by students in CTE Career Pathways within the **Education & Training** Career Cluster.

- 5,790** Child Development
- 1,978** Adult Roles & Financial Lit.
- 1,159** Early Childhood Ed. 1A

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

12,067

CTE Skill Certificates awarded to students in the **Education & Training** Career Cluster.

(SY 2018-2019)

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

23,187

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 2018-2019)

CTE Career Pathways

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Education & Training Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

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

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Engineering & Technology

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®.

1,499

students concentrated in a CTE Career Pathway within the **Engineering & Technology** Career Cluster, with **163,690** 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

industry certifications earned by students in CTE Career Pathways within the **Engineering & Technology** Career Cluster.

788	CAD Mech. Design 1
428	Engineering Technology
354	Robotics 1

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

2,451

CTE Skill Certificates awarded to students in the **Engineering & Technology** Career Cluster.

(SY 2018-2019)

Fifty-two

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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

"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

2,239

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 2018-2019)

UtahTSA.org | TSAweb.org

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Engineering & Technology Career Cluster

Utah CTE Career Pathways: (SY 2019-2020)

- > Engineering
- > Mechanical Design (CAD)

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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®.

5,858

students concentrated in a CTE Career Pathway within the **Health Science** Career Cluster, with **163,690 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

industry certifications earned by students in CTE Career Pathways within the **Health Science** Career Cluster.

2,513 Intro. to Health Science

2,338 Medical Terminology

1,811 Med. Anatomy & Physiology

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

9,755

CTE Skill Certificates awarded to students in the **Health Science** Career Cluster.
(SY 2018-2019)

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

"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

4,235

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 2018-2019)

UtHOSA.wordpress.org | HOSA.org

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Health Science Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

> Health Science

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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®.

2,277

students concentrated in a CTE Career Pathway within the **Hospitality & Tourism** Career Cluster, with **163,690 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.

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

"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

5,801

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 2018-2019)

Utah-FBLA-pbl.org | FBLA-pbl.org
UtahFCCLA.org | FCCLAinc.org

TOP THREE

industry certifications earned by students in CTE Career Pathways within the **Hospitality & Tourism** Career Cluster.

579 Hospitality & Tourism

445 Culinary Arts

138 Event Planning & Mgmt.

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

1,206

CTE Skill Certificates awarded to students in the **Hospitality & Tourism** Career Cluster.

(SY 2018-2019)

CTE Career Pathways

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Hospitality & Tourism Career Cluster

Utah CTE Career Pathways: (SY 2019-2020)

- > Culinary Arts
- > Hospitality & Tourism

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Human Services

The **Human Services** Career Cluster focuses on preparing students for employment in careers that relate to families and human needs such as counseling and mental health services, family and community services, personal care and consumer services.



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3,517

students concentrated in a CTE Career Pathway within the **Human Services** Career Cluster, with **163,690 students enrolled in CTE courses**.

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Twenty-one

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TOP THREE

industry certifications earned by students statewide in CTE Career Pathways.

139 Human Development

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

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

1,528

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 2018-2019)

UtahSkillsUSA.org | SkillsUSA.org

CTE Career Pathways

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Human Services Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

> Personal Care Services

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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.

139

CTE Skill Certificates awarded to students in the **Human Services** Career Cluster.

(SY 2018-2019)

Law, Public Safety, Corrections & Security

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.



Law, Public Safety,
Corrections & Security
Utah Career and Technical Education
CAREER CLUSTERS

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

7,718

students concentrated in a CTE Career Pathway within the **Law, Public Safety, Corrections & Security** Career Cluster, with **163,690 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

industry certification earned by students in CTE Career Pathways within the **Law, Public Safety, Corrections & Security** Career Cluster.

1,548 Law Enforcement

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

1,548

CTE Skill Certificates awarded to students in the **Law, Public Safety, Corrections & Security** Career Cluster.

(SY 2018-2019)

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

“The CTE program provided me with the opportunity to prepare myself for this career by giving me the chance to learn and gain knowledge of the criminal justice field. I had many opportunities to have hands-on training and attend field trips that supported me with the education I need to choose a career that I am truly passionate about.”

Jamie Anderson

1,528

students are members of a Career and Technical Student Organization (CTSO) aligned with the **Law, Public Safety, Corrections & Security** 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 2018-2019)

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.

Law, Public Safety, Corrections & Security Career Cluster

Utah CTE Career Pathway: (SY 2020-2021)

> Protective Services

 **Learning that works for Utah**

2018-2019 Data Represents Secondary Education
Source of Data: Utah State Board of Education

May 2020

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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®.

4,968

students concentrated in a CTE Career Pathway within the **Manufacturing** Career Cluster, with **163,690 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.

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.

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.

11,069

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

(SY 2018-2019)

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

3,767

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 2018-2019)

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

CTE Career Pathways

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Manufacturing Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

- > Manufacturing & Production
- > Welding & Machining

 **CTE** Learning that works for Utah

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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.



Transportation, Distribution & Logistics
Utah Career and Technical Education
CAREER CLUSTERS

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

2,432

students concentrated in a CTE Career Pathway within the **Transportation, Distribution & Logistics** Career Cluster, with **163,690 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

industry certifications earned by students in CTE Career Pathways within the **Transportation, Distribution & Logistics** Career Cluster.

2,185 Intro. Auto Service

309 Small Engine 1

66 Basic Auto. Coll. Repair

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

2,560

CTE Skill Certificates awarded to students in the **Transportation, Distribution & Logistics** Career Cluster.

(SY 2018-2019)

Fifty-two

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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

"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

1,528

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 2018-2019)

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.

Transportation, Distribution & Logistics Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

- > Auto Mechanics & Repairs
- > Aviation
- > Diesel

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