

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®.

18,188

students concentrated in a CTE Career Pathway within the **Agriculture, Food & Natural Resources** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 **Agriculture, Food & Natural Resources** Career Cluster. (SY 2020-2021)

11,428	Food & Nutrition 1
3,776	Food & Nutrition 2
1,859	Animal Science

22,760

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

989

Third-party certifications earned by students in the **Agriculture, Food & Natural Resources** Career Cluster. (SY 2020-2021)

45.6%*

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.

* 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.

16%*

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.

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

7,590

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 2020-2021)

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 2022-2023)

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

 **CTE** Learning that works for Utah

Data Represents 2020-2021 Secondary Education
Source of Data: Utah State Board of Education
July 2022

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®.

2,445

students concentrated in a CTE Career Pathway within the **Architecture & Construction** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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45.6%*

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

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16%*

of students statewide **completed** a CTE Career Pathway.

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TOP THREE

CTE Skill Certifications earned by students in CTE Career Pathways within the **Architecture & Construction** Career Cluster. (SY 2020-2021)

3,447	Interior Design 1
2,057	Digital Graphic Arts, Intro
1,461	Entrepreneurship

9,036

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

162

Third-party certifications earned by students in the **Architecture & Construction** Career Cluster.

(SY 2020-2021)

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

2,104

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 2020-2021)

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


CTE Career Pathways

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Architecture & Construction Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

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

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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®.

14,999

students concentrated in a CTE Career Pathway within the **Arts, Audio/Visual Technology & Communications** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 **Arts, Audio/Visual Technology & Communications** Career Cluster. (SY 2020-2021)

3,932	Comm. Photography 1
2,057	Digital Graphic Arts, Intro
2,006	Computer Programming 1

18,575

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

375

Third-party certifications earned by students in the **Arts, Audio/Visual Technology & Communications** Career Cluster.

(SY 2020-2021)

45.6%*

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.

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16%*

of students statewide **completed** a CTE Career Pathway.

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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

3,010

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 2020-2021)

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 2022-2023)

- > 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®.

15,685

students concentrated in a CTE Career Pathway within the **Business, Finance & Marketing** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 2020-2021)

4,780 Bus.Office Specialist

2,057 Digital Graphic Arts, Intro

1,730 Digital Business Apps.

16,249

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

1,236

Third-party certifications earned by students in the **Business, Finance & Marketing** Career Cluster.

(SY 2020-2021)

45.6%*

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16%*

of students statewide **completed** a CTE Career Pathway.

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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

3,238

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 2020-2021)

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 2022-2023)

- > 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®.

2,910

students concentrated in a CTE Career Pathway within the **Computer Science & Information Technology** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 2020-2021)

6,284	Exploring Comp. Sc.
2,057	Digital Graphics Arts, Intro
2,006	Computer Programming 1

15,483

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

297

Third-party certifications earned by students in the **Computer Science & Information Technology** Career Cluster.

(SY 2020-2021)

45.6%*

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

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16%*

of students statewide **completed** a CTE Career Pathway.

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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

4,059

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 2020-2021)

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

CTE Career Pathways

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Computer Science & Information Technology Career Cluster Utah CTE Career Pathways: (SY 2022-2023)

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

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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®.

1,763

students concentrated in a CTE Career Pathway within the **Education & Training** Career Cluster, with 171,489 students enrolled in CTE courses. (SY 2020-2021)

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 **Education & Training** Career Cluster. (SY 2020-2021)

11,428	Food & Nutrition 1
5,862	Child Development
1,102	Early Childhood Ed. 1

19,845

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

990

Third-party certifications earned by students in the **Education & Training** Career Cluster.

(SY 2020-2021)

45.6%*

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

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16%*

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.

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

15,144

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 2020-2021)

CTE Career Pathways

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Education & Training Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

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

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July 2022

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®.

4,463

students concentrated in a CTE Career Pathway within the **Engineering & Technology**-Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 2020-2021)

1,671 Welding Tech., Entry

766 Engineering Technology

615 CAD Mechanical Design 1

4,451

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

27

Third-party certifications earned by students in the **Engineering & Technology** Career Cluster.

(SY 2020-2021)

45.6%*

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

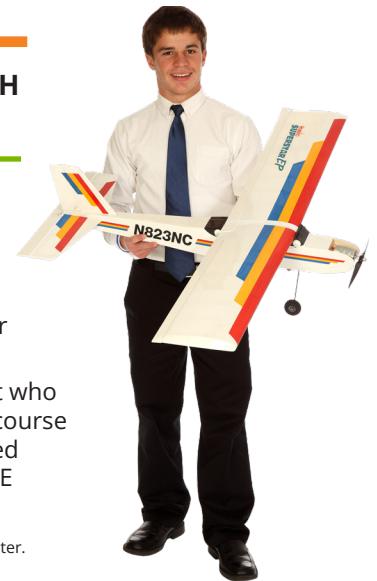
A concentrator is a student who has completed specific requirements in a single CTE program of study.

16%*

of students statewide **completed** a CTE Career Pathway.

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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

1,108

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 2020-2021)

UtahTSA.org | TSAweb.org

CTE Career Pathways

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Engineering & Technology Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

- > Engineering
- > Mechanical Design (CAD)

CTE Learning that works for Utah

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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.



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7,369

students concentrated in a CTE Career Pathway within the **Health Science** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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45.6%*

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16%*

of students statewide **completed** a CTE Career Pathway.

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TOP THREE

CTE Skill Certifications earned by students in CTE Career Pathways within the **Health Science** Career Cluster. (SY 2020-2021)

2,210 Health Sciences, Intro

1,892 Medical Terminology

1,498 Medical Anatomy & Phys.

6,796

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

1,375

Third-party certifications earned by students in the **Health Science** Career Cluster. (SY 2020-2021)

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

2,031

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 2020-2021)

UtHOSA.wordpress.org | HOSA.org


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Health Science Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

> 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®.

1,585

students concentrated in a CTE Career Pathway within the **Hospitality & Tourism** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 **Hospitality & Tourism** Career Cluster. (SY 2020-2021)

11,428	Food & Nutrition 1
2,057	Digital Graphic Arts, Intro
1,461	Entrepreneurship

19,356

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

1,295

Third-party certifications earned by students in the **Hospitality & Tourism** Career Cluster.

(SY 2020-2021)

45.6%*

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

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16%*

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.



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

3,969

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 2020-2021)

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

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Hospitality & Tourism Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

- > Culinary Arts
- > Hospitality & Tourism

CTE Learning that works for Utah

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Human Services

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.



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

576

students concentrated in a CTE Career Pathway within the **Human Services** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

CTE provides all students access to high-quality rigorous career focused programs that result in attainment of credentials with labor market value.

45.6%*

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

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16%*

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.

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TOP THREE

CTE Skill Certifications earned by students in CTE Career Pathways within the **Human Services** Career Cluster. (SY 2020-2021)

1,186 Business Management

828 Accounting 1

1,985

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

110

Third-party certifications earned by students in the **Human Services** Career Cluster.

(SY 2020-2021)

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

996

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 2020-2021)

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 2022-2023)

- > Family & Human Services
- > Personal Care Services

 **Learning that works for Utah**

Data Represents 2020-2021 Secondary Education
Source of Data: Utah State Board of Education

July 2022

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®.

520

students concentrated in a CTE Career Pathway within the **Law, Public Safety, Corrections & Security** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 **Law, Public Safety, Corrections & Security** Career Cluster. (SY 2020-2021)

1,174 Law Enforcement

1,595

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

813

Students have an opportunity to earn third-party certifications in the **Law, Public Safety, Corrections & Security** Career Cluster.

(SY 2020-2021)

45.6%*

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.

* 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.

16%*

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.



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

996

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 2020-2021)

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 2022-2023)

> Protective Services

 Learning that works for Utah

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Source of Data: Utah State Board of Education

July 2022

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.

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®.

2,958

students concentrated in a CTE Career Pathway within the **Manufacturing** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

CTE provides all students access to high-quality rigorous career focused programs that result in attainment of credentials with labor market value.

45.6%*

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.

16%*

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.

TOP THREE

CTE Skill Certifications earned by students in CTE Career Pathways within the **Manufacturing** Career Cluster. (SY 2020-2021)

1,671 Welding Tech., Entry

1,533 Manufacturing Tech.

615 CAD Mechanical Design

4,102

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

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

2,104

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 2020-2021)

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

CTE Career Pathways

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Manufacturing Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

- > Manufacturing & Production
- > Welding & Machining

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July 2022

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®.

2,788

students concentrated in a CTE Career Pathway within the **Transportation, Distribution & Logistics** Career Cluster, with 172,020 students enrolled in CTE courses. (SY 2020-2021)

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 **Transportation, Distribution & Logistics** Career Cluster. (SY 2020-2021)

1,988 Auto. Service, Intro

1,671 Welding Tech., Entry

1,461 Entrepreneurship

5,233

CTE Skill Certifications earned by students in this Career Cluster. (SY 2020-2021)

146

Third-party certifications earned by students in the **Transportation, Distribution & Logistics** Career Cluster.

(SY 2020-2021)

45.6%*

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.

* 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.

16%*

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.



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 Gardne

996

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 2020-2021)

UtahSkillsUSA.org | SkillsUSA.org

CTE Career Pathways

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Transportation, Distribution & Logistics Career Cluster

Utah CTE Career Pathways: (SY 2022-2023)

- > Automotive
- > Aviation
- > Diesel

 **CTE** Learning that works for Utah

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July 2022