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.

Computer Science & Information Technology
Utah Career and Technical Education
CAREER CLUSTERS

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.

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 strenghtens 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 **Computer Science & Information Technology** Career Cluster. (SY 2019-2020)

- **4,395** Exploring Comp. Sc.
- **1,950** Digital Graphics Arts, Intro
- **1,651** Computer Programming

9,822

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

297

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

(SY 2019-2020)

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)

Utah-FBLA-pbl.org | FBLA-pbl.org
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.

Computer Science & Information Technology Career Cluster

Utah CTE Career Pathways: (SY 2020-2021)

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

CTE® Learning that works for Utah

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

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Thalea Longhurst, State Director of Career and Technical Education