

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.

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

“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

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 2022-2023)

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

 **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
Sydney 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.