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®.

3,227

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.

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.

13,901

CTE Skill Certificates awarded to students in the **Information Technology** 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

"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

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.

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