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.

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

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

<table>
<thead>
<tr>
<th>Certification</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex. Comp. Science</td>
<td>9,589</td>
</tr>
<tr>
<td>Computer Prog. 1</td>
<td>1,766</td>
</tr>
<tr>
<td>Web Development 1</td>
<td>732</td>
</tr>
</tbody>
</table>

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)

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

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.