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.

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

5,865

students concentrated in a CTE Career Pathway within the Agriculture, Food & Natural Resources Career Cluster, with 161,596 students enrolled in CTE courses. (SY 2017-2018)

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 Agriculture, Food & Natural Resources Career Cluster.

<table>
<thead>
<tr>
<th>Industry Certification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food &amp; Nutrition 1</td>
<td>12,241</td>
</tr>
<tr>
<td>Food &amp; Nutrition 2</td>
<td>4,084</td>
</tr>
<tr>
<td>Animal Science 1</td>
<td>2,078</td>
</tr>
</tbody>
</table>

Industry-based certifications are awarded through validation of skills in cooperation with a business, trade association, or other industry group.

24,277

CTE Skill Certificates awarded to students in the Agriculture, Food & Natural Resources Career Cluster (SY 2018-2019)

**Fifty-seven**

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**

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

“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

9,341

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 2018-2019)

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 2019-2020)

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

2017-2018 Data Represents Secondary Education
Source of Data: Utah State Board of Education
August 2019