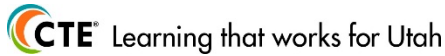


Utah Career and Technical Education Career Pathway

2019-2020 School Year



CTSO Information

Career and Technical Student Organizations (CTSO) align with the national Career Clusters® and the Utah CTE Career Pathways.

FFA is the CTSO for students in the Agricultural Production Systems Career Pathway. FFA brings relevance to the classroom through industry-based competitive events and community service.

Workforce Trends

According to the U.S. Department of Labor, 1 in 7 Americans work in agriculture-related jobs.

According to the Utah Farm Bureau Federation, more than 100,000 people are employed by agriculture and agribusiness in the state of Utah.

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Agricultural Production Systems

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
30.01.00.00.050	Agricultural Science 1	1.00	2.00 credits
30.01.00.00.060	Agricultural Science 2	1.00	
<i>Or choose the following courses:</i>			
30.02.00.00.040	Animal Science 1	1.00	2.00 credits
30.02.00.00.080	Plant and Soil Science 1	1.00	
ELECTIVE COURSES			
30.02.00.00.001	Animal Science 2	1.00	1.00 credit
30.01.00.00.116	Aquaculture, Introduction	1.00	
30.02.00.00.050	Biology-Agricultural Science	1.00	
32.02.00.00.140	Business Management	.50	
32.02.00.00.110	Business Communication 1	.50	
32.02.00.00.111	Business Communication 2	.50	
37.01.00.00.150	Leadership Principles 1	1.00	
	Summer Agriculture Program	.25	
	Supervised Agriculture Experience Program (capstone experience)		
41.00.00.00.050	CTE Internship	.50	
41.00.00.00.030	Workplace Skills	.50	
3.00 credits for completion			

Foundation courses taken beyond the required credits can be used as elective credit.

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.

Agricultural Production Systems is:

- > High skill
- > High wage
- > High demand

Sample Occupations Requiring:

- High School Diploma**
- > Buyer and Purchasing Agent, Farm Products
 - > Farm/Ranch Worker/Manager
 - > Pesticide Handler, Sprayer, and Applicator

- Certificate**
- > Crop Scout
 - > Pesticide Handler/Applicator
 - > Storage and Hygiene Coord.

- Assoc. or Technical Degree**
- > Agricultural Engineer Tech.
 - > Sales Representative
 - > Slaughter/Processor

- Baccalaureate Degree**
- > Agricultural Inspectors
 - > Career and Technical Education Teacher
 - > Farm/Ranch Manager

- Graduate or Prof. Degree**
- > Biotechnology Research
 - > Extension Specialist
 - > Research Scientist

Student Testimonial

"My CTE classes and my leadership experience in 4-H and FFA have laid a strong foundation on which I can build upon. I have learned crucial values, including hard work, dedication, and responsibility. I plan to go 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

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are a number of options for education and training beyond high school, depending on your career goals.

12th Grade	1-Year Certificate	2-Year Associate or Technical Degree	4-Year Bachelor's Degree	More Graduate or Prof. Degree
Certificates are awarded upon the successful completion of a brief course of study, usually one year or less. Upon completion of a course of study, a certificate does not require any further action to retain. In high school a variety of certificates can be earned.		An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions. In 2016-2017, 74 percent of secondary students who concentrated in a CTE Career Pathway placed in postsecondary education, advanced training, military service or employment (October 1-December 31).		

Utah Business and Industry Facts

In Utah, there are 18,100 farms with 11,000 acres in production. The poultry industry is huge with 7.5 million birds, layers, pullets, and turkeys.

Utah is also home to 777,000 head of cattle and 732,000 head of hogs.

Utah Agriculture contributes more than 15 percent to the state's economy.

CTE Skill Certificates

Competency-based student assessments, measured by core standards and competencies, needed to be successful in the workforce.

In 2017-2018, 111,238 CTE skill certificates were awarded to high school students. Students' knowledge and performance is demonstrated as part of the Skill Certificate process.

UtahFutures: College and Career Planning

Visit UtahFutures.org for salary projections, labor market demand, and training options.

In 2016-2017, the graduation rate for students who concentrated in a CTE Career Pathway was 95 percent, compared to Utah's statewide graduation rate of 86 percent.