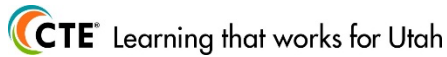


Utah Career and Technical Education Career Pathway

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 CTSSO for students in the Animal and Veterinary Science Career Pathway. FFA brings relevance to the classroom through industry-based competitive events and community service.

Workforce Trends
 According to the U.S. Bureau of Labor Statistics, employment of veterinary assistants and laboratory animal caretakers is projected to grow 10 percent through the year 2026.

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Animal & Veterinary Science

| CORE CODE | FOUNDATION COURSES (required) | CREDITS | |
|---------------------------------------------|-----------------------------------------------------------------|---------|--------------|
| 30.02.00.00.040 | Animal Science 1 | 1.00 | 2.00 credits |
| <i>Choose one of the following courses:</i> | | | |
| 30.02.00.00.001 | Animal Science 2 | 1.00 | |
| 30.01.00.00.005 | Small and Companion Animal Science | 1.00 | |
| 30.02.00.00.090 | Veterinary Assistant 1 | 1.00 | |
| ELECTIVE COURSES | | | |
| 30.01.00.00.116 | Aquaculture, Introduction | 1.00 | 1.00 credit |
| 30.02.00.00.050 | Biology-Agricultural Science | 1.00 | |
| 32.02.00.00.110 | Business Communication 1 | .50 | |
| 32.02.00.00.111 | Business Communication 2 | .50 | |
| 32.02.00.00.140 | Business Management | .50 | |
| 30.02.00.00.072 | Equine Science 1 | .50 | |
| 30.02.00.00.074 | Equine Science 2 | .50 | |
| 37.01.00.00.150 | Leadership Principles 1 | 1.00 | |
| 30.02.00.00.095 | Veterinary Assistant 2 | 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.

Animal & Veterinary Science is:
 > High skill
 > High wage

Sample Occupations Requiring:
High School Diploma
 > Livestock Handler
 > Swine Farm Worker
 > Veterinary Assistant and Laboratory Animal Caretaker

Certificate
 > Artificial Inseminator
 > Livestock Auctioneer
 > Shipping Coordinator

Assoc. or Technical Degree
 > Herdsman
 > Livestock Buyer
 > Veterinary Assistant/Technologist and Technician

Baccalaureate Degree
 > Animal Nutrition Specialist
 > Career and Technical Education Teacher
 > Farm/Ranch Manager

Graduate or Prof. Degree
 > Animal Scientists
 > Extension Specialist
 > Veterinarian

Student Testimonial

"I took many CTE classes in high school that were beneficial in preparation for my college education to become a veterinary technician. Biology, chemistry, animal science, and veterinary assisting helped me understand cells and how a body functions. I have a passion for animals and their well-being and want to pursue a career in agriculture."

Karlle Ault

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

Agriculture is a vital industry to Utah's economy. There are 18,100 farms in the state, totaling approximately 11 million acres, where Utah agriculturists produce crops and livestock worth \$1.8 billion annually.
 (Utah Department of Agriculture and Food)

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.