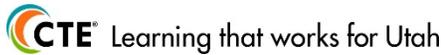


# Utah Career and Technical Education Career Pathway

## 2019-2020 School Year



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

SkillsUSA is the CTSSO for students in the Aviation Maintenance Technology Career Pathway. SkillsUSA provides quality education experiences for students in leadership, teamwork, citizenship, and character development.

**Workforce Trends**  
 According to the U.S. Department of Labor, the overall employment of aircraft mechanics and technicians is projected to increase 5 percent nationwide through the year 2026, as air traffic is expected to increase and will require additional aircraft maintenance.

### Career Cluster: Transportation, Distribution & Logistics

#### Career Pathway: Aviation Maintenance Technology

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
40.09.00.00.001	Aircraft Regulations	2.0	4.00 credits
40.09.00.00.080	Aircraft Electrical/Hardware	2.0	
ELECTIVE COURSES			
40.11.00.00.046	<a href="#">Air Transportation</a> *	.50	
40.11.00.00.042	<a href="#">Aircraft Systems</a> *	.50	
38.01.00.00.021	<a href="#">Electronics 1</a> *	.50	
40.09.00.00.020	<a href="#">Introduction to Automotive</a> *	.50	
41.00.00.00.050	<a href="#">CTE Internship</a>	.50	
41.00.00.00.030	<a href="#">Workplace Skills</a>	.50	
<b>4.00 credits for completion</b>			

\* Course can be taken up to 1.00 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.**

**Aviation Maintenance Technology is:**

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

**Sample Occupations Requiring:**

**High School Diploma**

- > Aircraft Structure, Surfaces, Rigging, and System Assembler

**Certificate**

- > Aircraft Mechanic
- > Aircraft Service Technician

**Assoc. or Technical Degree**

- > Air Traffic Controller

**Baccalaureate Degree**

- > Aviation Manager
- > Career and Technical Education Teacher

**Graduate or Prof. Degree**

- > Aviation Manager

**Student Testimonial**

“The CTE courses I’ve taken in high school have really shined a light on what I want to do with my life and how I want my future career to go. It has helped me learn what I liked and what I didn’t like to do. I learned from my automotive class that I love working with my hands and fixing things.”

Sidney Gray

### 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**

According to the Utah Department of Workforce Services, air transportation companies in Utah employ 6,316 workers.

In Utah, an aircraft mechanic, an aircraft service technician, and an aircraft pilot must be licensed.

**UtahFutures: College and Career Planning**

Visit [UtahFutures.org](http://UtahFutures.org) to explore occupations, search salary projections, access labor market information, investigate training options, and to create a plan.

Visit [UtahCTE.org](http://UtahCTE.org) to access high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.

**CTE Credentials of Value**

In 2017-2018, 112,867 CTE Skill Certifications were awarded to secondary students and 19,189 third-party certifications were earned by secondary students.

In 2017-2018, the graduation rate for students who concentrated in a CTE Career Pathway was 95 percent, compared to Utah’s statewide graduation rate of 87 percent.