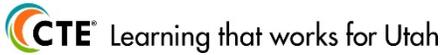


# Utah Career and Technical Education Career Pathway

## 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 CTSO for students in the Automotive Service Technician Career Pathway. SkillsUSA provides quality education experiences for students in leadership, teamwork, citizenship, and character development.

### Workforce Trends

Job opportunities in the automotive industry are expected to be very good for persons with formal training, strong diagnostic and problem-solving skills, and knowledge of electronics and mathematics.

According to the U.S. Department of Labor, employment of automotive service technicians and mechanics is projected to increase 6 percent nationwide through the year 2026.

## Career Cluster: Transportation, Distribution & Logistics

### Career Pathway: Automotive: Service Technician

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
40.09.00.00.020	<a href="#">Introduction to Automotive</a> *	.50	1.50 credits
<b>Choose two of the following courses:</b>			
40.09.00.00.022	<a href="#">ASE Brakes</a> *	.50	
40.09.00.00.021	<a href="#">ASE Chassis MLR</a> *	.50	
40.09.00.00.024	<a href="#">ASE Electrical/Electronics</a> *	.50	
40.09.00.00.026	<a href="#">ASE Engine MLR</a> *	.50	
40.09.00.00.025	<a href="#">ASE Engine Performance</a> *	.50	
40.09.00.00.023	<a href="#">ASE Steering and Suspension</a> *	.50	
ELECTIVE COURSES			
32.02.00.00.010	<a href="#">Accounting 1</a>	.50	1.50 credits
40.09.00.00.005	<a href="#">Basic Automotive Collision Repair</a> *	.50	
32.02.00.00.140	<a href="#">Business Management</a>	.50	
38.01.00.00.021	<a href="#">Electronics 1</a> *	.50	
32.02.00.00.220	<a href="#">Entrepreneurship</a>	.50	
40.10.00.00.072	<a href="#">Machining 1</a> *	.50	
40.10.00.00.085	<a href="#">Metalworking 1</a> *	.50	
38.01.00.00.320	<a href="#">PLTW Digital Electronics</a>	1.00	
40.09.00.00.090	<a href="#">Small Engine Repair</a> *	.50	
40.10.00.00.110	<a href="#">Welding Technician, Entry Level</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>3.00 credits for completion</b>			

\* Course can be taken up to 1.00 credit.

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.**

### Automotive Service Technician is:

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

### Sample Occupations Requiring:

#### High School Diploma

- > Automotive Body and Related Repairer
- > Automotive Glass Installer and Repairer
- > Automotive Service Mechanics
- > Automotive Service Technician

#### Certificate

- > Automotive Service Technician – ASE (Automotive Service Excellence)
- [www.ase.com/](http://www.ase.com/) is a national certification for automotive service technicians.

#### Assoc. or Technical Degree

- > N/A

#### Baccalaureate Degree

- > Career and Technical Education Teacher

#### Graduate or Prof. Degree

- > N/A

### Student Testimonial

"I focused on a CTE Pathway in high school. I took all of the automotive classes offered to me to help me pursue my career goal of an automotive technician. The automotive classes I took will help me with my training in college."

Thomas Jex

## 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
<p>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.</p> <p>In high school a variety of certificates can be earned.</p>	<p>An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions.</p> <p>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).</p>			

### Utah Business and Industry Facts

According to the Utah Department of Workforce Services, there are 1,763 automotive repair and maintenance firms throughout Utah.

The occupations of Automotive Service Technicians and Mechanics is projected to experience a high volume of annual job openings.

#### 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.

#### 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.

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

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.