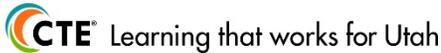


# Utah Career and Technical Education Career Pathway

## 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 Diesel Career Pathway. SkillsUSA provides quality education experiences for students in leadership, teamwork, citizenship, and character development.

**Workforce Trends**  
 Employment growth will result from the increased manufacturing of buses and trucks powered by durable, economical diesel engines. Opportunities are good for those with formal diesel mechanic training and experience with electronic and diagnostic equipment.

### Career Cluster: Transportation, Distribution & Logistics

#### Career Pathway: Diesel

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
40.09.00.00.060	<a href="#">Diesel 1</a> *	.50	1.00 credit
40.09.00.00.065	<a href="#">Diesel 2</a> *	.50	
ELECTIVE COURSES			
32.02.00.00.010	<a href="#">Accounting 1</a>	.50	2.00 credits
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	
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	
38.01.00.00.022	<a href="#">Electronics 2</a>	.50	
32.02.00.00.220	<a href="#">Entrepreneurship</a>	.50	
38.01.00.00.320	<a href="#">PLTW Digital Electronics</a>	1.00	
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.

**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.**

**Diesel is:**  
 > High-skill  
 > High-wage  
 > In-demand

**Sample Occupations Requiring:**  
High School Diploma  
 > Bus and Truck Mechanic  
 > Diesel Engine Specialist  
 > Mobile Heavy Equipment Mechanic

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 completed a CTE Internship at a local garage in my community. Because of the courses I have taken, the safety certifications I have earned, and my internship, Jiffy Lube hired me on the spot. The CTE Pathways program helped me learn to set goals and make wise choices. CTE courses gave me real-life, marketable skills."  
 Trever Gardner

### 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, C.R. England Trucking is one of the major employers in the state of Utah. Founded in 1920, with headquarters in Salt Lake City, C.R. England employs more than 3,000 individuals.

**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.