




**Career Cluster: Transportation, Distribution & Logistics**

**Career Pathway: Automotive**

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Business Office Specialist *		Math 1050	
English 1010		Small Business Math and Startup *	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
Agricultural Mechanics and Technology 1 *	Bicycle Repair Training	Electronics 1 *	Transportation Technology
Automotive, Introduction * +	Collision Non-Structural Repair * +	Machining 1 *	Welding Technician, Entry *
Aviation Maintenance 1	Customer Service *	Small Engine Repair	
Basic Automotive Collision Repair	Entrepreneurship *	Supply Chains, Introduction	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
ASE Chassis MLR *	Collision Structural Repair	Power Motor Sports *	
ASE Engine MLR *	Electric Vehicle Safety and Technology		
<b>COMPLETER COURSES:</b> To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
ASE Brakes *	ASE Engine Performance *	Collision Refinishing and Painting *	
ASE Electrical/Electronics *	ASE Steering and Suspension *	Professional Driver	
CTE Internship		<a href="#">Apprenticeship</a>	
<b>POSTSECONDARY:</b> There are many options for education and training beyond high school.			
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
		<ul style="list-style-type: none"> <li>&gt; Automotive Service Technician</li> <li>&gt; Tire Technician</li> <li>&gt; Quick Lube Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Fleet Administrator</li> <li>&gt; Master Technician</li> <li>&gt; Restoration Specialist</li> </ul>

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. [Credentials of Value](#)

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

**Advice to Students**

**“JUST DO IT!** Take the class! Take the work-based learning opportunity! Pick choices that challenge you and scare you a little. Pick something you are passionate about and call on mentors to help you learn. Don't be afraid to fail! You may fail at an individual task, but you will win overall in the end.”

Cooper Chamberlain  
 Future Automotive Technician

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**  
**Transportation, Distribution & Logistics**

UtahCTE.org: [Fact Sheet](#)  
 Department of Workforce Services  
[Utah Occupational Explorer](#)

**SkillsUSA**

is the Career and Technical Student Organization (CTSO) for students in the Automotive Career Pathway.

[SkillsUSA.org](https://SkillsUSA.org) | [UtahSkillsUSA.org](https://UtahSkillsUSA.org)  
[SkillsUSA Utah flyer](#)





## Career Cluster: Transportation, Distribution & Logistics


### Career Pathway: Aviation

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Business Office Specialist *	Entrepreneurship *	Math 1060	Small Business Math and Startup *
English 1010	Math 1050	Meteorology	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
Agricultural Mechanics and Technology 1 *	Aviation Maintenance 1	Machining 1 *	Unmanned Aerial Systems Lab: Design, Build, and Maintain
Automotive, Introduction *	Customer Service *	Supply Chains, Introduction	
Aviation History *	Electronics 1 *	Unmanned Aerial Systems	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
Aviation Maintenance 2	Aviation Weather	Flight Simulator *	
Unmanned Aerial Systems Lab: Intermediate Flight		Unmanned Aerial Systems Lab: Exploration of Industry Applications	
<b>COMPLETER COURSES:</b> To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Air Transportation *		Private Pilot	
Aircraft Systems *		Unmanned Aerial Systems Capstone	
CTE Internship		<a href="#">Apprenticeship</a>	
<b>POSTSECONDARY:</b> There are many options for education and training beyond high school.			
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)			UtahMajors.org: <a href="#">Majors Guide</a>

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

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

	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Aircraft Service Technician</li> <li>&gt; Drone Pilot</li> <li>&gt; Helicopter Maintenance Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Air Traffic Controller</li> <li>&gt; Certified Flight Instructor</li> <li>&gt; Drone Mission Coordinator</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Aircraft Co-pilot and Pilot</li> <li>&gt; CTE Teacher</li> <li>&gt; Drone Design Engineer</li> <li>&gt; Drone GIS Engineer</li> <li>&gt; Flight Engineer</li> </ul>

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### Advice to Students

"**CTE classes are worth it.** Sometimes the work is hard but in the end the knowledge and skills that you will have afterwards is great. It is an amazing feeling to take and excel in your CTE classes!"

Ryker Frost  
 Future Mechanical Engineer

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

#### Transportation, Distribution & Logistics

UtahCTE.org: [Fact Sheet](#)

Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Aviation Career Pathway.

[SkillsUSA.org](https://SkillsUSA.org) | [UtahSkillsUSA.org](https://UtahSkillsUSA.org)

[SkillsUSA Utah flyer](#)





## Career Cluster: Transportation, Distribution & Logistics


### Career Pathway: Diesel

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Business Office Specialist *	Math 1050	Small Business Math and Startup *	
English 1010			
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
Agricultural Mechanics and Technology 1 *	Customer Service *	Machining 1 *	Welding Technician, Entry *
Automotive, Introduction * +	Electronics 1 *	Supply Chains, Introduction	
Aviation Maintenance 1	Entrepreneurship *	Transportation Technology	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.			
ASE Diesel IMMR			
<b>COMPLETER COURSES:</b> To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
ASE Diesel Brakes	ASE Diesel Engine	Professional Driver	
ASE Diesel Electrical Systems	ASE Diesel Steering and Suspension		
CTE Internship	<a href="#">Apprenticeship</a>		
<b>POSTSECONDARY:</b> There are many options for education and training beyond high school.			
Utah System of Higher Education: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

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

	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Diesel Service Technician</li> <li>&gt; Farm Equipment Mechanic</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Heavy Equipment Maintenance Technician</li> <li>&gt; Heavy Locomotive Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Fleet Administrator</li> <li>&gt; Logistics Operation Manager</li> </ul>

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. [Credentials of Value](#)

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

### Advice to Students

“Jump in and learn as much as you can. CTE courses are a fantastic resource. Don't be afraid to try something you've never done before, because you'll never learn a new skill if you're always too afraid to try it. Through CTE I have been able to make my education more meaningful.”

Zachary Burrows  
 Future Diesel Mechanic

### LEARN MORE ABOUT OCCUPATIONS AND WAGES Transportation, Distribution & Logistics

UtahCTE.org: [Fact Sheet](#)  
 Department of Workforce Services  
[Utah Occupational Explorer](#)

### SkillsUSA

is the Career and Technical Student Organization (CTSO) for students in the Diesel Career Pathway.

[SkillsUSA.org](https://SkillsUSA.org) | [UtahSkillsUSA.org](https://UtahSkillsUSA.org)  
[SkillsUSA Utah flyer](#)

