Utah Career and Technical Education Career Pathway Chart

2023-2024 School Year



Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Automotive

JUNIOR HIGH / MIDDLE SCHOOL				
College and Career Awareness				
Exploring Technology				
HIGH SCHOOL				
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)				
Entrepreneurship *				
EXPLORER COURSES: Choose one or more of the following courses.				
Automotive, Introduction * +	Collision Non-Structural	Repair * +	Small Engine Repair	
Basic Automotive Collision Repair	Electronics 1 *		Welding Technician, Entry Level *	
Bicycle Repair Training	Machining 1 *			
CONCENTRATOR COURSES: To be a co	ncentrator you must pass	one of the following cour	rses AND one explorer course.	
ASE Chassis MLR * Collisi		Collision Structural Repa	Collision Structural Repair	
ASE Engine MLR *		Electric Vehicle Safety a	nd Technology	
COMPLETER COURSES: 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	e *	Collision Refinishing and Painting *	
ASE Electrical/Electronics *	ASE Steering and Suspe	ension *	Professional Driver	
CTE Internship		<u>Apprenticeship</u>		
POSTSECONDARY: There are many options for education and training beyond high school.				
Utah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities) UtahMajors.org: <u>Majors Guide</u>				

^{*} 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



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	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree		
	Automotive Service Technician Tire Technician Quick Lube Technician	> Fleet Administrator > Master Technician > Restoration Specialist	CTE Teacher OEM Trainer Technical Researcher and Developer Technical Salesperson		

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.

Student Testimonial

"My overall goal of taking CTE courses was to become an automotive technician. I found my passion during my sophomore year and ever since then I've been staying on track with the automotive industry. I took collision and refinishing, and I love it. I found my passion in life and intend to make a full career out of it."

Tyerell Przybycien Future Automotive Technician

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Transportation, Distribution & Logistics

UtahCTE.org: Fact Sheet

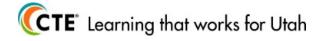
Department of Workforce Services
Utah Occupational Explorer

SkillsUSA

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

SkillsUSA.org | UtahSkillsUSA.org SkillsUSA flyer





Utah Career and Technical Education Career Pathway Chart

2023-2024 School Year



Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Aviation

College and Career Awareness					
Exploring Technology					
HIGH SCHOOL					
SUPPORTING COURSES: S	Suggested high so	chool courses that sup	port the Career Pathway (Courses DO	NOT count towards the Pathway)
English 1010	Math 1050		Math 1060		Meteorology
EXPLORER COURSES: Choose one or more of the following courses.					
Aviation History *	ation History * Aviation Maintenance 1		1	Machining	1 *
Aviation 1 Electronics 1 *			Unmanned Aerial Systems		
CONCENTRATOR COURS	ES: To be a conc	entrator you must pass	one of the following cour	ses AND on	e explorer course.
Aviation 2	Aviation M	aintenance 2	Aviation Weather		Flight Simulator *
Unmanned Aerial Systems Lab: Intermediate Unmanned Unmann		ems Lab: Design, Build, Unmanned Industry Ap		Aerial Systems Lab: Exploration of oplications	
COMPLETER COURSES: T	o be a completer	you must pass a conc	entrator course and enou	gh courses to	equal 3.0 credits in this Pathway
Air Transportation *			Private Pilot		
Aircraft Systems *		Unmanned Aerial Systems Capstone			
CTE Internship			Apprenticeship		
OTE Intomorile	POSTSECONDARY: There are many options for education and training beyond high school.				
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^{*} 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.



1-2 Year	2-Year	4-Year
Certificate	Associate Degree	Bachelor's Degree
Aircraft Service Technician Drone Pilot Helicopter Maintenance Technician	> Air Traffic Controller > Certified Flight Instructor > Drone Mission Coordinator	> Aircraft Co-pilot and Pilot > CTE Teacher > Drone Design Engineer > Drone GIS Engineer > Flight Engineer

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Student Testimonial

"I plan to become a certified flight instructor and use that [credential] to build up my hours until I can get a job with a local airline. I learned everything I know about planes from Private Pilot Ground School [through CTE].

Braden Ottley Future Flight Instructor

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Transportation, Distribution & Logistics

UtahCTE.org: Fact Sheet

Department of Workforce Services

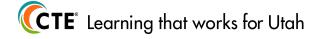
<u>Utah Occupational Explorer</u>

SkillsUSA

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

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Utah Career and Technical Education Career Pathway Chart

2023-2024 School Year



Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Diesel

JUNIOR HIGH / MIDDLE SCHOO)L			
College and Career Awareness				
Exploring Technology				
HIGH SCHOOL				
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)				
Entrepreneurship *				
EXPLORER COURSES: Choose one or more of the following courses.				
Automotive, Introduction * +		Machining 1 *		
Electronics 1 *		Welding Technician, Entry Level *		
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.				
ASE Diesel IMMR				
COMPLETER COURSES : 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 Electrical Systems	ASE Diesel Engine		ASE Diesel Steering and Suspension
CTE Internship		<u>Apprenticeship</u>		
POSTSECONDARY: There are many options for education and training beyond high school.				
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^{*} 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.



1-2 Year	2-Year	4-Year		
Certificate	Associate Degree	Bachelor's Degree		
> Diesel Service Technician > Farm Equipment Mechanic	> Heavy Equipment Maintenance Technician > Heavy Locomotive Technician	> CTE Teacher > Fleet Administrator > Logistics Operation Manager		

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

Student Testimonial

"I have always known that I wanted to work in mechanics. As a junior in high school, I attended the ASE Engine Performance class at Mountain View High School. Brent Woffinden was my teacher for this course. He showed me what was possible with a career in mechanics. I hope to one day run my own mobile mechanic business."

Jaxon Carter Future Diesel Technician

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Department of Workforce Services

Utah Occupational Explorer

SkillsUSA

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

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