Utah Career and Technical Education Career Pathway Chart 2024-2025 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 N	OT count towards the Pathway)
Business Office Specialist * Math 1050				
English 1010	S	Small Business Math and Startup *		
EXPLORER COURSES: Choose one of	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		
CONCENTRATOR COURSES: To be	a concentrator you must pass one	of the following cours	ses AND one	explorer course.
ASE Chassis MLR *	Collision Structural Repair		Power Motor Sports *	
ASE Engine MLR *	Electric Vehicle Safety and Technology			
COMPLETER COURSES: To be a com	npleter you must pass a concentra	ntor course and enoug	gh 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		<u>Apprenticeship</u>		
POSTSECONDARY: There are many of	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: Majors Guide	

^{*} 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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	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

 $\label{thm:ct} \textbf{Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.$

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

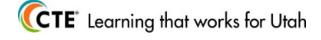
Department of Workforce Services
Utah Occupational Explorer

SkillsUSA

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

SkillsUSA.org | UtahSkillsUSA.org SkillsUSA Utah flyer





Utah Career and Technical Education Career Pathway Chart 2024-2025 School Year



Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Aviation

JUNIOR HIGH / MIDDLE SCH	IOOL				
College and Career Awareness					
Exploring Technology					
HIGH SCHOOL					
SUPPORTING COURSES: Su	uggested high school courses that sup	pport 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			
EXPLORER COURSES: Choo	ose one or more of the following cours	ses.			
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			
CONCENTRATOR COURSES	5: To be a concentrator you must pass	s one of the following cours	ses AND one	e explorer course.	
viation Maintenance 2 Aviation Weather			Flight Simulator *		
Unmanned Aerial Systems Lab: Intermediate Flight		Unmanned Aerial Syste	Unmanned Aerial Systems Lab: Exploration of Industry Applications		
$\textbf{COMPLETER COURSES}{:}\ To$	be a completer you must pass a cond	centrator course and enoug	gh courses to	equal 3.0 credits in this Pathwa	
Air Transportation *		Private Pilot			
Aircraft Systems *		Unmanned Aerial Systems Capstone			
CTE Internship		Apprenticeship			
POSTSECONDARY: There ar	re many options for education and trai	ining beyond high school.			
Utah System of Higher Education	universities)	UtahMaiors	.org: Majors Guide		

^{*} 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
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

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

"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

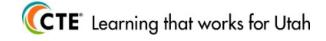
Department of Workforce Services
Utah Occupational Explorer

SkillsUSA

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

SkillsUSA.org | UtahSkillsUSA.org | SkillsUSA Utah flyer





Utah Career and Technical Education Career Pathway Chart 2024-2025 Year



Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Diesel

College and Career Awareness					
Exploring Technology					
HIGH SCHOOL					
SUPPORTING COURSES: Suggested hig	h school courses that support	the Career Pathway	Courses DO NO	count towards the Pathway)	
Business Office Specialist *	Math 1050	Math 1050		Small Business Math and Startup *	
English 1010					
EXPLORER COURSES : Choose one or n	nore 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		
CONCENTRATOR COURSES: To be a c	oncentrator you must pass the	following course ANI	O one explorer co	ourse.	
ASE Diesel IMMR					
COMPLETER COURSES : To be a comple	eter you must pass a concentra	itor course and enou	gh courses to eq	ual 3.0 credits in this Pathway	
ASE Diesel Brakes	ASE Diesel Engine		Professional Driver		
ASE Diesel Electrical Systems	ASE Diesel Steering and S	ASE Diesel Steering and Suspension			
CTE Internship		Apprenticeship			
POSTSECONDARY: There are many opt	ons for education and training	beyond high school.			
	(Utah's public colleges and unive		UtahMajors.org:		

^{*} concurrent enrollment course + recommended explorer course

There are several options for education and training beyond high school, depending on your career goals. 2-Year Associate Degree > Diesel Service Technician > Farm Equipment Mechanic > Heavy Locomotive Technician > Heavy Locomotive Technician > Logistics Operation Manager

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

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 | UtahSkillsUSA.org SkillsUSA Utah flyer



