



Transportation Industry Sector

Transportation plays a crucial role in our society because moving people and goods is central to everything America does. As the Transportation industry sector continues to expand significantly, it will provide employment opportunities for years to come in a vast range of transportation-related occupations. It will also continue to adapt to changing technology and repair techniques as vehicle components and systems become increasingly sophisticated. Examples include developments in rocket technology, super-capacity jet airplanes, hybrid and hydrogen fuel-cell technology affecting automobiles, and diesel trucks that run on bio-diesel or other alternative fuels. This industry also plays an important part in education through financial and in-kind support for training and educating the current and future workforce.

The Transportation industry sector features three career pathways that provide opportunities from entry-level jobs requiring high school diplomas to progressive careers requiring advanced degrees. These pathways emphasize real-world, occupationally relevant experiences of significant scope and depth in Aviation and Aerospace Transportation Services, which includes maintaining aircraft, operating airports, and designing and flying various types of aircraft; Collision Repair and Refinishing, which includes painting, repairing, and refinishing vehicles; and Vehicle Maintenance, Service, and Repair, which includes maintaining, servicing, and repairing light-, medium-, and heavy-duty vehicles.

Transportation Industry Sector Pathways:

- *Aviation and Aerospace Transportation Services*
- *Collision Repair and Refinishing*
- *Vehicle Maintenance, Service, and Repair*

Entry Level Careers

(with high school diploma)

Mechanic's Assistant
 Lube Technician
 Parts and Sales Counter Clerk
 Automotive Body and Paint Repairer
 Tire Repairers and Changers
 Service Station Attendants
 Bus Driver, School
 Industrial Truck and Tractor Operators
 Truck Driver, Light or Delivery Service
 Taxi Drivers and Chauffeurs
 Flight Attendant
 Porter
 Aircraft Detailer
 Ground Support Crew

Technical Level Careers

(with AA or AS degree or certificate)

Bus and Truck Mechanics
 Automotive Master Mechanic
 Diesel Engine Specialist
 Motorcycle Mechanics
 Auto Glass Installer
 Dispatcher
 Service Writer
 Licensed Smog Technician
 Avionics Technicians
 Airframe and Power Plant Technician
 Aircraft Mechanics/Service Technicians
 Air Traffic Controllers
 Commercial Pilots
 Ship Engineers
 Ship and Boat Captains

Professional Level Careers

(with BS or BA degree)

Ship Engineers
 Airline Pilots, Copilots
 Flight Engineers
 Astronaut
 Insurance Claims Adjuster
 Shop Manager
 Fleet Manager
 Parts and Service Manager
 Automotive Corp. Service Representative

College: _____
 High School(s): _____

Sector: _____
 Pathway: _____
 Program: _____

	Grade	English	Math	Science	Social Studies	Required Courses			Grade 9-12 Dual Enrollment Options	
						Recommended Elective Courses	Other Elective Courses	CTE Courses		
Secondary	9									
	10									
	11									
	12									
Postsecondary	Year _____ Term _____									
	Year _____ Term _____									
	Year _____ Term _____									
	Year _____ Term _____									
	Year _____ Term _____									
	Year _____ Term _____									

Required Courses:
 Recommended Required Courses:
 Career Education Courses:
 Credit-Based Transition Programs (e.g., Dual Enrollment, Articulated Courses, 2+2+2)
 Assessments, Advising, or Additional Preparation During Summer Breaks