

TRANSPORTATION

The Transportation industry is responsible for ensuring people and things get to the right place, at the right time, for the right price. Using new technologies like Global Positioning Systems (GPS) and Radio Frequency Identification (RFID) tags, people in this industry are called on to move people and products from point A to point B by air, land and sea. It takes people with all different talents, skills, and training to keep things moving. ATRE (Advanced Transportation and Renewable Energy) represents an array of clean energy technologies that reduce climate change impact, reduce dependency on foreign energy, help grow a robust green economy and allow California to remain competitive in a global market. Renewable Energy is the fastest growing segment of the energy market.



Like any growing industry, there is an array of occupations and job opportunities that range from technical to managerial to research and innovation. This sector is designed to provide a foundation in transportation services for all industrial technology education students in California. There are eight focus areas in the Transportation sector, each with different career opportunities. The focus areas are On-Road; Off-Road; Stationary; Rail; Water/Sea; Air; Space; and Small Engines and Specialty Equipment. Fortunately, some people seem to have a knack for making vehicles run smoothly. If you're one of those people, you should steer your way down the Transportation Industry career path.

You'll find three pathways in this sector: Aviation and Aerospace Transportation Services, Collision Repair and Refinishing, and Vehicle Maintenance, Service and Repair. Pick any of these branches and you'll learn transportation vehicles inside and out.

CAREER PATHWAYS

IS THIS INDUSTRY A GOOD MATCH FOR YOU?

Are you?

- Problem solving
- Creative
- Good at operating tools/machinery

Do you?

- Enjoy travel
- Want to drive planes, trains, trucks
- Like working with machines/motors
- Like electronics and technology

EDUCATION LEVEL & RELATED OCCUPATIONS

High School Diploma

Flight Attendant
Collision Repair Intern
Vehicle Maintenance Technician

Certificate and/or Associate Degree

Airframe and Power Plant Technician
Collision Repair Technician
Smog Technician

Bachelor+ Degree

Pilot, Insurance Claims
Adjuster, Parts & Service
Manager

FOR MORE INFORMATION ON THE TRANSPORTATION INDUSTRY SECTOR, GO TO THE CALIFORNIA CAREERZONE.

CAREER PATHWAYS



OPERATIONS

The Operations pathway prepares students for postsecondary employment and education in a variety of career opportunities in the transportation industry, including but not limited to harbors, ports, warehousing, marine applications, airplanes, trains, vehicles, and specialty equipment.

Sample occupations associated with this pathway:

- Warehouse Worker/Dispatcher
- Production, Planning, and Expediting Clerk
- Storage, Warehouse, and Distribution Manager
- Container Crane Operator
- Inspectors and Planners

STRUCTURAL REPAIR AND REFINISHING

The Structural Repair and Refinishing pathway prepares students for postsecondary education and employment in the transportation industry, including but not limited to body and frame straightening, estimating, painting, and refinishing (included but not limited to airplanes, trains, vehicles, and equipment).

Sample occupations associated with this pathway:

- Estimator
- Claims Adjuster
- Technician
- Insurance Company/Manufacturer's Representative Investigator/Inspector

SYSTEMS DIAGNOSTICS, SERVICES AND REPAIR

The Systems Diagnostics, Service, and Repair pathway prepares students for postsecondary education and employment in the transportation industry, which includes but is not limited to motor vehicles, rail systems, marine applications, and small-engine and specialty equipment.

Sample occupations associated with this pathway:

- Service Technician/Maintenance Worker/Shop Foreman
- Technical Writer
- Dispatcher
- Engineer
- Investigator/Inspector