

# Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes occupations ranging from automotive mechanic, avionics technician, and automotive entrepreneur to pilots and logistics planning professionals.

## Automotive Technology



The Automotive Technology program of study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.

### Secondary Courses for High School Credit

#### Level 1

- None

#### Level 2

- Automotive Basics

#### Level 3

- \*Automotive Technology I: Maintenance & Light Repair

#### Level 4

- Automotive Technology II <sup>1</sup>
- Practicum in Transportation Systems - Automotive Tech (H) <sup>2</sup>



### Postsecondary Opportunities

#### Associates Degrees

- Medium/Heavy Vehicle and Truck Technology/ Technician
- Mechanical Engineering/ Mechanical Technology/ Technician

#### Bachelor's Degrees

- Mechanical Engineering/ Mechanical Technology/ Technician

#### Master's, Doctoral, and Professional Degrees

- Mechanical Engineering

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Join SkillsUSA

#### Work-Based Learning Activities

- Work at a local automotive repair shop

### Industry-Based Certifications

- ASE Entry Level Automobile Maintenance and Light Repair (MR) <sup>1</sup>
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT) <sup>1</sup>
- ASE Entry-Level Automobile Brakes (BR) <sup>1</sup>
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE) <sup>1</sup>
- ASE Entry-Level Automobile Engine Performance (EP) <sup>1</sup>
- ASE Entry-Level Automobile Engine Repair (ER) <sup>1</sup>
- ASE Entry-Level Automobile Heating and Air Conditioning (AC) <sup>1</sup>
- ASE Entry-Level Automobile Manual Drive Train and Axles (MD) <sup>1</sup>
- ASE Entry-Level Automobile Service Technology <sup>1</sup>
- ASE Entry-Level Automobile Suspension and Steering (SS) <sup>1</sup>
- ASE Refrigerant Recovery and Recycling <sup>2</sup>

### Aligned Advanced Academic Courses

- \* Dual credit course aligned with Dallas College



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Automotive Service Technician and Mechanics	\$48,000	6,300	10%
First-Line Supervisors of mechanics, Installers, and Repairers	\$73,000	5,000	19%

Successful completion of the Automotive Technology program of study will fulfill requirements of the Business and Industry endorsement. Revised – May 2024

# Automotive Technology Course Information

## Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
None	-	-	-

## Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Automotive Basics	13039550 (1 credit)	None	9

## Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Automotive Technology I: Maintenance and Light Repair	13039600 (2 credits)	Automotive Basics	10

## Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Automotive Technology II	13039700 (2 credits)	Automotive Technology I: Maintenance and Light Repair	11
Practicum in Transportation Systems - Automotive Tech (H)	13040450 (2 credits)	Automotive Technology II	12

FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER CLUSTER,  
PLEASE CONTACT YOUR CAMPUS CTE COUNSELOR  
<https://tea.texas.gov/cte>

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