



# 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.

## CFISD Program of Study: Automotive Technician

Successful completion of the Automotive and Collision Repair program of study will fulfill requirements of the Business and Industry endorsement.

The Automotive and Collision Repair 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.



### Recommended Course Sequence (credits)(A=advanced)

Students wanting an endorsement in this area must select three (3) or more courses totaling four (4) or more credits with at least one being advanced.

- |                 |   |
|-----------------|---|
| <b>Grade 9</b>  | • Automotive Basics (1)                       |
| <b>Grade 10</b> | • Automotive Technology I (2)                 |
| <b>Grade 11</b> | • Automotive Technology II (2) (A)            |
| <b>Grade 12</b> | • Practicum in Transportation Systems (3) (A) |

### Aligned Industry-Based Certifications Offered in CFISD

(course) (CCMR=impacts “career ready” status as outlined by the TEA Accountability System for College, Career or Military Readiness)

- ASE Entry Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Performance (EP)
- ASE Entry-Level Automobile Engine Repair (ER)
- ASE Entry-Level Automobile Heating and Air Conditioning (AC)
- ASE Entry-Level Automobile Manual Drive Train and Axles (MD)
- ASE Entry-Level Automobile Service Technology
- ASE Entry-Level Automobile Suspension and Steering (SS)
- ASE Entry-Level Collision Mechanical and Electrical Components (ME)
- ASE Entry-Level Collision Non-Structural Analysis and Damage Repair (SR)
- ASE Entry-Level Collision Painting and Refinishing (PR)
- ASE Entry-Level Collision Structural Analysis and Damage Repair

All ASE listed qualify for CCMR and are available in Auto Tech I, Auto Tech II, and the Practicum.

### Work-Based Learning and Expanded Learning Opportunities

<b>Work-Based Learning Activities</b>	<ul style="list-style-type: none"> <li>• Shadow an automotive technician at a car dealership</li> <li>• Work at a local automotive repair shop and hold both customer service duties and automatic repair duties</li> </ul>
<b>Expanded Learning Opportunities</b>	<ul style="list-style-type: none"> <li>• Participate in SkillsUSA</li> </ul>

### AVAILABLE TO STUDENTS AT ALL 12 HIGH SCHOOLS!

- Receive training on industry-standard material, software & equipment.
- Enhance your resume by earning recognized industry-based certifications.
- Get a jump-start by taking advantage of core curriculum dual credit, transferable to 2-yr and 4-yr degrees.

### ALL AT A FRACTION OF THE COST!



For more information on this and other CTE programs of study offered in CFISD, visit <https://www.cfisd.net/academics/career-technical-education/programs-of-study>

What's next? For more information on related programs available to continue your studies at Lone Star College, visit <https://www.lonestar.edu/programs-of-study>



### Example Postsecondary Opportunities

#### Apprenticeships

- Automotive Technician Apprenticeship



#### Associate Degrees

- Automobile/Automotive Mechanics Technology
- Autobody/Collision and Repair Technology

#### Bachelor's Degrees

- Autobody/Collision and Repair Technology
- Heavy Equipment Maintenance Technology

#### Additional Stackable IBCs/License

- Automobile and Light Truck Certification (A1 – A9)



### Example Aligned Occupations

Data Source: Texas Wages, Texas Workforce Commission. rev 3/8/2024

#### Automotive Service Technicians and Mechanics

Median Wage: \$46,800  
Annual Openings: 7,491  
10-Year Growth: 10%

#### Bus and Truck Mechanics and Diesel Engine Specialists

Median Wage: \$56,776  
Annual Openings: 2,615  
10-Year Growth: 19%

#### First-Line Supervisors of Mechanics, Installers, and Repairers

Median Wage: \$70,554  
Annual Openings: 6,556  
10-Year Growth: 19%