



## Transportation, Distribution & Logistics

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.



### Program of Study: Automotive & Collision Repair

Limited Seating

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.

#### Courses

9 <sup>th</sup> Grade	Principles of Transportation Systems
10 <sup>th</sup> Grade	Automotive Basics
11 <sup>th</sup> Grade	Automotive Technology I: Maintenance and Light Repair
12 <sup>th</sup> Grade	Automotive Technology II: Automotive Service OR Career Preparation for Programs of Study

#### Work-Based Learning/Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> <li>Earn industry certification</li> <li>Work at a local automotive repair or body shop</li> <li>Work with Panther Pride Automotive Technology</li> </ul>
Expanded Learning Opportunities	SkillsUSA

#### Aligned Industry-Based Certifications

- ASE Entry Level Automobile Maintenance and Light Repair (MR)



#### 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

##### Automotive Service Technicians and Mechanics

Median Wage: \$44,809  
Annual Openings: 6,285  
10-Year Growth: 10%

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

Median Wage: \$50,967  
Annual Openings: 3,096  
10-Year Growth: 19%

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

Median Wage: \$66,535  
Annual Openings: 5,019  
10-Year Growth: 19%

Successful completion of this program of study will fulfill requirements of the Business and Industry Endorsement.  
Approved Statewide Program of Study. C. E. King High School – 2024-25



## Automotive & Collision Repair Course Information

### Level 1

#### Principles of Transportation Systems

13039250

**Grade: 9-12**

**Credit: 1**

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

### Level 2

#### Automotive Basics

13039550

**Grade: 10-12**

**Credit: 1**

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

### Level 3

#### Automotive Technology I: Maintenance and Light Repair

13039600

**Grade: 10-12**

**Credit: 2**

*Prerequisite: Automotive Basics*

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

### Level 4

#### Automotive Technology II: Automotive Service

13039700

**Grade: 11-12**

**Credit: 2**

*Prerequisite: Automotive Technology I: Maintenance and Light Repair*

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Industry Based Certification: ASE Entry Level Automobile Maintenance and Light Repair (MR)