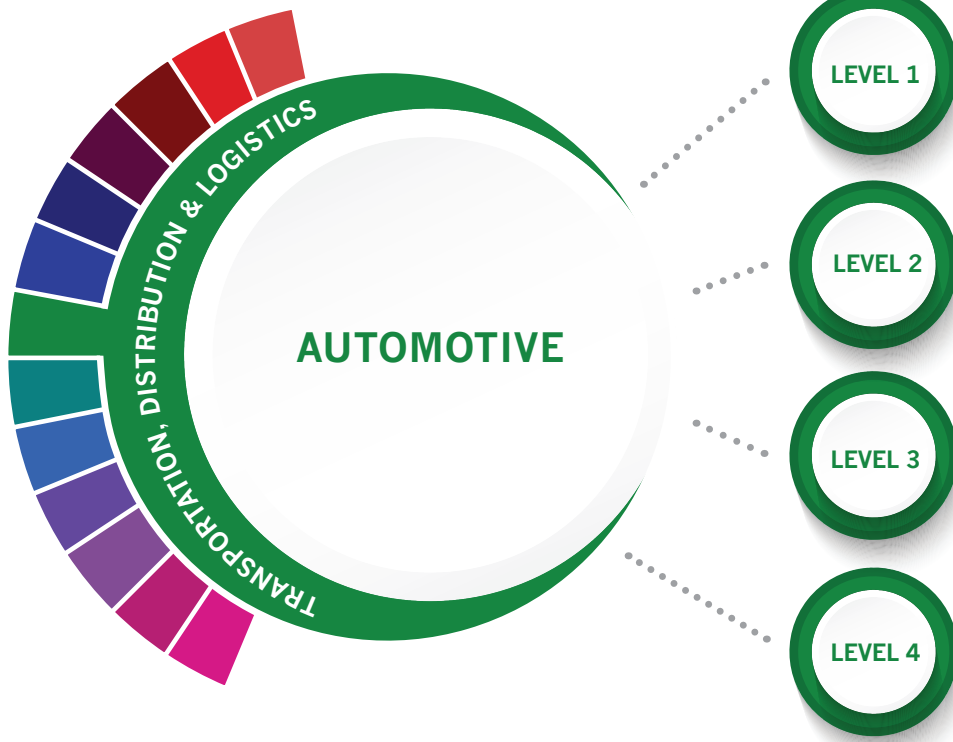


COURSES



Principles of Transportation Systems #8759

LEVEL 1

Automotive Basics #8766

LEVEL 2

Automotive Technology I (2CR) #8752

LEVEL 3

Automotive Technology II/Lab (2CR) #8753

LEVEL 4

AND/OR

Career Preparation (3CR) #8009

POSTSECONDARY OPTIONS

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Automotive Service Excellence (ASE) Entry Level	Master Collision Repair and Refinishing Technician	Autobody/Collision and Repair Technology/Technician		Mechanical Engineering
Automotive Service Excellence (ASE) Professional Level	Automobile Technician: various systems and parts	Medium/Heavy Vehicle and Truck Technology/Technician		
	Engine Machinist Technician	Mechanical Engineering/Mechanical Technology/Technician		
	Collision Repair and Refinish			

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Automotive Body and Related Repairers	\$40,144	1,456	25%
Automotive Service Technician and Mechanics	\$38,459	208	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
SkillsUSA competition
Automotive Service Association

Work Based Learning Activities:
Work at a local automotive repair or body shop.

The Automotive program of study teaches students how to repair and refinish automobiles and service various types of vehicles. Students may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.



The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Automotive program of study will fulfill requirements of the Business and Industry Endorsement.
Approved Statewide Program of Study - September 2019



Business & Industry Endorsement



Transportation,
Distribution
& Logistics

Automotive

(It is recommended students follow the program of study sequence level 1-4 as outlined by TEA.)

Principles of Transportation Systems (9-10) #8759

Students will understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. Students will understand technologies used to provide products and services in a timely manner and be able to meet the expectations of industry employers.

SEM: 2 CR: 1

Automotive Basics (9-10) #8766

This course 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.

SEM: 2 CR: 1

Automotive Technology I (10-12) #8752

Automotive Technology I D (10-12) #8758

Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices.

SEM: 2 CR: 2

Automotive Technology II (12) #8753

Automotive Technology II D (12) #8757

A continued study in the repair, maintenance, and diagnosis of vehicle systems. Students acquire advanced knowledge in the theory of operation of automotive vehicle systems and associated repair practices.

PR: Automotive Technology I

SEM: 2 CR: 2

Career Preparation (11-12) #8009

Students spend one hour in class each day and a minimum of 15 hours on the job each week. Some of the areas of employment include: clothing and home furnishings, child care, food service, hotel and hospitality services.

Extended Career Preparation (11-12)

Provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences.

PR: Successful completion of one or more advanced career and technical education courses that are part of a coherent sequence of courses in a career cluster related to the field in which the student will be employed.

SEM: 2 CR: 3