



**Level 1** Principles of Manufacturing

**Level 2**

Automotive Technology I

**Level 3**

Automotive Technology II/Lab Practicum in Transportation Systems  
Career Preparation I

**Level 4**

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	Mechanical Engineering/Mechanical Technology/Technician	
	Collision Repair and Refinish			

Occupations	Median Wage	Annual Openings	% Growth
Automotive Body and Related Repairers	\$40,144	1,456	25%
Automotive Service Technician and Mechanics	\$38,459	5,557	18%

**WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES**

Exploration Activities:	Work Based Learning Activities:
SkillsUSA competition Automotive Service Association	Work at a local automotive repair or body shop.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Automotive program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners 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. Revised - July 2020



# COURSE INFORMATION

COURSE NAME	SERVICE & COURSE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Manufacturing	13032200 / 8320 (1 credit)	None	9-12
Automotive Technology I: Maintenance and Light Repair	13039600 / 8404 (2 credits)	None	9-12
Automotive Technology II/Lab	13039710 / 8414 (3 credits)	PREQ: Automotive Technology I: Maintenance and Light Repair	11-12
Practicum in Transportation Systems	13040455 / 8424 (3 credits)	Automotive Technology II/Lab	11-12
Career Preparation I	12701300 / 8000 (2 credits)	None	11-12

## BISD Recommended Course Sequence

Grade	9 <sup>th</sup> Year	10 <sup>th</sup> Year	11 <sup>th</sup> Year	12 <sup>th</sup> Year
<b>Courses</b>	Principles of Manufacturing	Automotive Technology I	Automotive Technology II	Practicum in Transportation Systems or Career Prep