



## Business & Industry Endorsement Transportation, Distribution & Logistics

### Automotive

The Automotive program of study teaches students how to repair & refinish automobiles & service various types of vehicles.

Levels	Courses	
<b>Level 1</b>	<b>Automotive Basics</b> 1800CT / 9-12 <i>SP2 Ethics &amp; You in the Automotive Industry,</i> <i>SP2 Land That Job Certification Possible</i>	
<b>Level 2</b>	<b>Energy, Power &amp; Transportation Systems</b> 1810CT / 9-12 <i>Prerequisite: Automotive Basics</i> <i>SP2 Bullying in the Workplace,</i> <i>SP2 Substance Abuse Awareness &amp; Management Certification Possible</i>	
<b>Level 3</b>	<b>Automotive Technology I</b> 1811CA-CB / 10-12 <i>Prerequisites: Energy, Power &amp; Transportation Systems</i> <i>+ASE Maintenance &amp; Light Repair,</i> <i>SP2 Mechanical Safety Certification Possible</i>	
<b>Level 4</b>	<b>Automotive Technology II</b> 1815CA-CB / 11-12 <i>Prerequisites: Automotive Technology I</i> <i>+ASE Brakes AND ASE Suspension &amp; Steering</i> <i>Certifications Possible</i>	<b>Practicum in Transportation, Distribution &amp; Logistics</b> 1821CA-CB / 11-12 <i>Prerequisites: Automotive Technology I</i> <i>+ASE Electrical/Electronics Systems</i> <i>Certifications Possible</i>

1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semester Ben Barber	College Course Weighted Credit
Automotive Body & Related Repairers		\$40,144	1,456	25%
Automotive Service Technicians & Mechanics		\$38,459	208	25%

#### Industry Based Certifications

##### +ASE Maintenance & Light Repair Certification - Automotive Technology I

This exam assesses knowledge & skills related to: engine repair, automatic transmission & transaxle, manual drivetrain & axles, suspension & steering, brakes, electrical/electronic devices, HVAC, tools, etc.

##### +ASE Brakes Certification - Automotive Technology II

This exam assesses knowledge & skills related to general brake system diagnosis, hydraulic system diagnosis & repair, drum brake diagnosis & repair, drum brake diagnosis & repair, disc brake diagnosis & repair, wheel bearings, parking brakes & electrical/electronics.

##### +ASE Suspension & Steering Certification - Automotive Technology II

This exams assesses knowledge & skills related to general suspension & steering systems, steering systems diagnosis & repair, suspension systems diagnosis & repair, wheel alignment diagnosis & repair, wheels & tires diagnosis & repair.

##### +ASE Electrical/Electronic Systems Certification - Practicum in Transportation, Distribution & Logistics

This exam assesses knowledge & skills related to general electrical systems diagnosis, battery diagnosis & repair, lighting systems diagnosis & repair, instrument cluster diagnosis & repair & driver information diagnosis & repair.

#### Supporting CertificationS

##### SP2 Certification - Automotive Basics, Automotive Technology I & II

These certifications are used to support curriculum and reinforce knowledge & skills.

*The district will pay 100% of the cost of the certification test if students can show mastery by passing a certification practice test AND maintain an 80+ overall course grade at the time of the certification test. If students don't meet the requirements above, they must pay 100% of the cost of the certification test.*

**To earn a CTE endorsement, an MISD student must take 4 or more credits in the same endorsement area, with at least 2 of 4 credits within the same program of study and must include at least one Level 3 or Level 4 CTE course.**