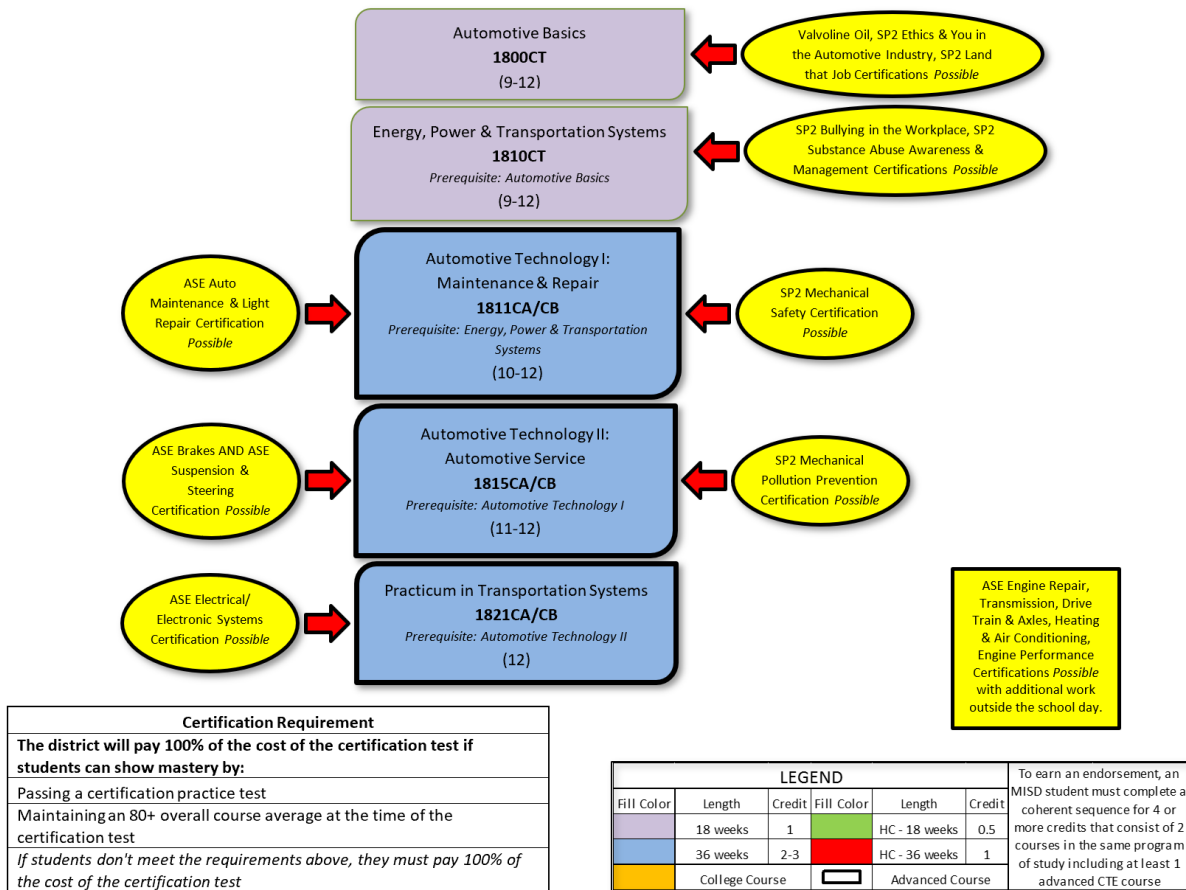


# Transportation, Distribution & Logistics Program of Study

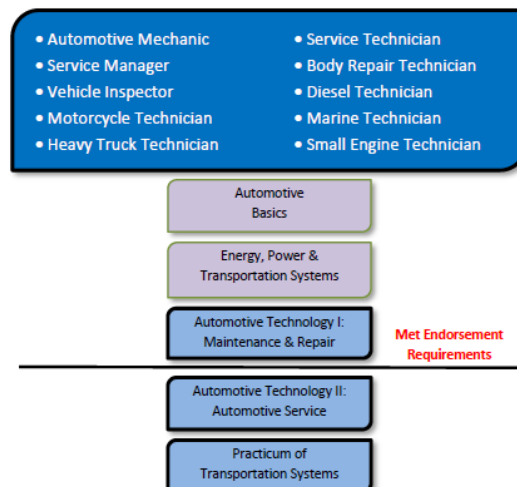


# TRANSPORTATION, DISTRIBUTION & LOGISTICS

## Endorsement: Business & Industry

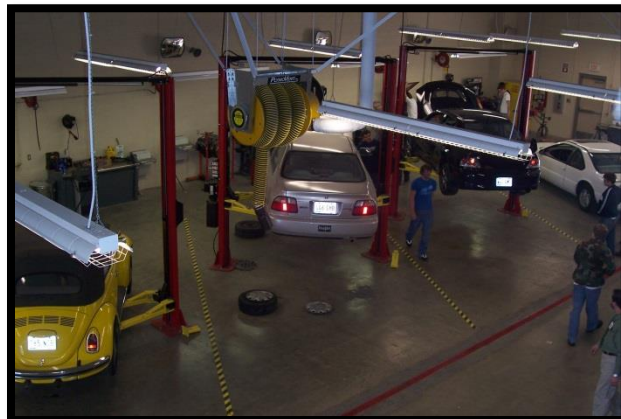


## Transportation, Distribution & Logistics Recommended Career Pathways



To earn an endorsement, an MISD student must complete a coherent sequence for 4 or more credits that consist of 2 courses in the same program of study including at least 1 advanced CTE course

# Automotive Basics



**Prerequisite:** None

**Course:** 180OCT

**Credits:** 1

**Length:** 18 weeks

**Placement:** 9-12

## Course Description

This is the first class leading to an entry level position in repairing cars. The students will be introduced to careers in the automotive industry, safety, measuring skills, plus hand and power tools. Minor maintenance and light repair procedures in an automotive shop are also introduced.

## Student Activities

Students will be working with tires and wheels, measuring tools and will perform preventative maintenance procedures and brakes theory.

**Student must wear safety glasses and proper clothing**

## Certification

Valvoline Oil, SP2 Ethics & You in the Automotive Industry and SP2 Land That Job Certification Possible  
Student Cost: \$0

Certification paid for by CTE if student has an 80+ GPA in course and passes a practice test

## Additional Considerations

Students need fine motor skills and mobility. Students handle tools. If seeking certification, curriculum cannot be modified.

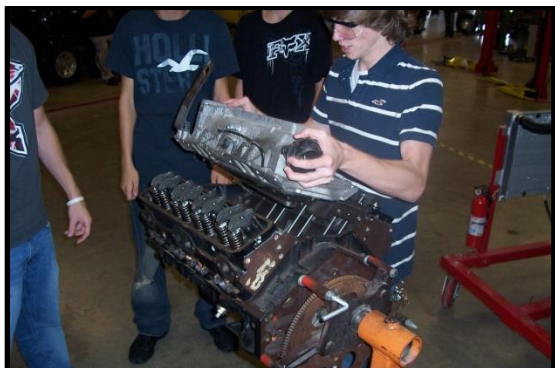
## Organizations/After School/Competition



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

## Automotive Club

# Energy, Power & Transportation Systems



**Prerequisite:** Automotive Basics

**Course:** 181OCT

**Credits:** 1

**Length:** 18 weeks

**Placement:** 9-12

## Course Description

Student must have successfully completed Automotive Basics before beginning this course. Student will study basic automotive brakes, suspension/steering systems, and maintenance and light repair. Class will consist of a mixture of class work and shop work to introduce the student to the world of an Automotive Technician.

## Student Activities

Student will use shop supplied tools and parts to do brake jobs, suspension repair and replacement, tire and wheel service, wheel balancing, oil changes, plus maintenance and light repair. Students are encouraged to bring in their own vehicles for service and only have to supply their own parts and supplies.

**Student must wear safety glasses, proper clothing and buy an Automotive work shirt for this class.**

## Certification

SP2 Bullying in the Workplace  
SP2 Substance Abuse Awareness  
Student Cost: \$0

## Organizations/After School/Competition



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

## Additional Considerations

Students need fine motor skills and mobility.  
Students handle sharp objects and use dangerous equipment. If seeking certification, curriculum cannot be modified.

**Automotive Club**

# Automotive Technology I: Maintenance & Repair



**Prerequisite:** Energy, Power & Transportation Systems

**Course:** 1811CA/1811CB    **Credits:** 2    **Length:** 36 weeks    **Placement:** 10-12

## Course Description

This course is set up to prepare the student for an entry level position in the Automotive Technology field.

The course covers the following areas: Brakes, Suspension and Steering, Engine Repair, Engine Performance, Manual Drive Train and Axles, Automatic Transmission and Transaxles, Air Conditioning and Heat, and Electricity and Electronics.

## Student Activities

Students will be working on vehicles in BBCTA shop facility. This shop is set up like an Automotive Dealership. The shop has safety rules that must be followed to include safety glasses. Students at times will be allowed to work on their own vehicles. We also have donation vehicles and trainers that will be used to teach the student how successfully complete automotive repairs.

**Student must wear safety glasses, proper clothing and buy an Automotive work shirt for this class.**

## Certifications

SP2 Mechanical Certification Possible

Student Cost: \$0

ASE Auto Maintenance & Light Repair

Certification Possible

Student Cost: \$30

Certification paid for by CTE if student has an 80+ GPA in course and passes a practice test

## Organizations/After School/Competition



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

## Additional Considerations

Students need fine motor skills and mobility. Students handle sharp objects and use dangerous equipment. If seeking certification, curriculum cannot be modified.

## Automotive Club

# Automotive Technology II: Automotive Service



**Prerequisite:** Automotive Technology I

**Course:** 1815CA/1815CB    **Credits:** 2    **Length:** 36 weeks    **Placement:** 11-12

## Course Description

This is the advanced course set up to prepare the student for an entry level position in the Automotive Technology field. The course covers the following areas: Brakes, Suspension and Steering, Engine Repair, Engine Performance, Manual Drive Train and Axles, Automatic Transmission and Transaxles, Air Conditioning and Heat, and Electricity and Electronics.

## Student Activities

Students will be working on vehicles in BBCTA shop facility. This shop is set up like an Automotive Dealership. The shop has safety rules that must be followed to include safety glasses. Students at times will be allowed to work on their own vehicles. We also have donation vehicles and trainers that will be used to teach the student how successfully complete automotive repairs.

**Student must supply safety glasses, proper clothing and buy an Automotive work shirt for this class.**

## Certifications

SP2 Mechanical Pollution Prevention  
Certification Possible  
Student Cost: \$0

ASE Brakes & ASE Suspension & Steering  
Certification Possible  
Student Cost: \$30

Certification paid for by CTE if student has an 80+ GPA in course and passes a practice test

## Additional Considerations

Students need fine motor skills and mobility. Students handle sharp objects and use dangerous equipment. If seeking certification, curriculum cannot be modified.

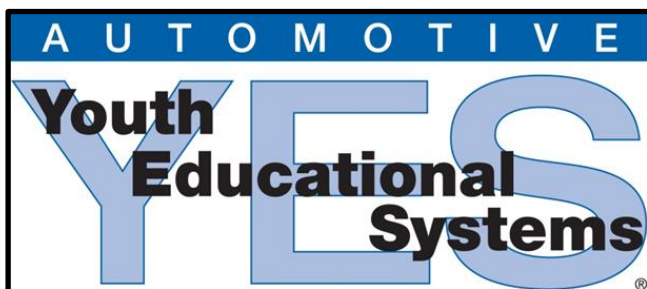
## Organizations/After School/Competition



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

## Automotive Club

# Practicum in Transportation, Distribution & Logistics



**Prerequisite:** Automotive Technology II

**Course:** 1821CA/1821CB    **Credits:** 2    **Length:** 36 weeks    **Placement:** 12

## Course Description

This course is set up for a student who wants to work in the afternoon and get school credit. The practicum course is a paid or unpaid internship for students participating in the Automotive Technology courses. A student must have an Automotive Technology related job no later than the first 2 weeks of class to get credit for a Practicum class. Student must adhere to all workplace rules and regulations and have a positive report from employer.

## Student Activities

If you're interested in high-tech, fast-paced and lucrative work in the automotive service industry, AYES can not only provide you with a solid education while you are in high school, but also offer you the opportunity of a paid internship under a senior technician at a local automotive service employer. This will provide you with the skills needed to build a great career.

**Student must wear safety glasses, proper clothing and buy an Automotive work shirt for this class.**

## Certifications

ASE Brakes & ASE Suspension & Steering  
Certification Possible  
Student Cost: \$30

## Additional Considerations

If seeking certification, curriculum cannot be modified. If a student does not have transportation, opportunities will be limited.

## Organizations/After School/Competition



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

**Automotive Club**

# Transportation Certifications

Name	Course	Provider	Cost
Valvoline Oil	Automotive Basics	Valvoline	Student Pays: \$ 0 BBIA Pays: \$ 0
This certification test is taken online and given during class time. Students must watch an instructional video and then answer related questions. Students earn the certification by successfully completing the test.			
ASE Student Certifications	Automotive Technology I, Automotive Technology II, Practicum in Transportation	ASE	Student Pays: \$ 15 each BBIA Pays: \$ 15 each
For a \$ 30 fee, students can take any or all of the following test: Engine Repair, Transmission, Drive Train & Axles, Suspension & Steering, Brakes, Electrical/Electronic Systems, Heating & Air Conditioning, Engine Performance, Auto Maintenance & Light Repair. Tests are taken online and during class time. For additional information, visit <a href="http://www.asestudentcertification.com/">http://www.asestudentcertification.com/</a>			
SP2	Automotive Basics, Energy, Power & Transportation Systems, Automotive Technology I & Automotive Technology II	SP2	Student Pays: \$ 0 each BBIA Pays: \$ 0 each
Students can take any or all of the following tests: Ethics & You in the Automotive Industry, Land that Job, Bullying in the Workplace, Substance Abuse Awareness & Management, Collision Safety, Collision Pollution Prevention, Mechanical Safety and Mechanical Pollution Prevention. Tests are taken online and during class time. For additional information, visit <a href="https://sp2.org/site/">https://sp2.org/site/</a>			