



# Automotive Mechanics

## Program Description

Automotive Mechanics program is a NATEF, National Automotive Technicians Education Foundation certified program which provides basic automotive instruction in the field of automotive repair. The State of Michigan requires all working automotive technicians to be licensed in the areas for which they are employed. Successful completion of the class will prepare students to take four out of the eight State of Michigan certification tests. The four areas of Michigan State certification we cover are: Engine Tune-up and Performance, Suspension and Steering Systems, Brakes and Braking Systems and Electrical Systems. First year instruction encompasses basic skills of auto maintenance such as oil changes, tire rotation, belts and hoses, the use of the hoist and safety practices. First year students also focus on the Braking System in preparation for their first State Certification test. Second year students broaden their topics of study to include engine tune-up and performance, suspension and steering, and electrical systems in preparation for other State certifications. We offer an innovative mix of instruction along with hands on experience providing curriculum that is designed to prepare students for employment and success in the automotive repair field.

## Related Professions

- Specialized Technician
- Service Manager
- General Technician
- Tire & Lube Technician

## Lapeer County Education and Technology Center

690 N. Lake Pleasant Rd.  
Attica, MI 48412  
(810)664-1124  
[www.lapeerisd.org](http://www.lapeerisd.org)

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## Articulations:

Davenport University (up to 30 credits)

Delta College:

- AUT 100-Intro Auto Service (3 credits)
- AUT 114-Brake System Service (5 credits)
- AUT 212-Suspension System (7 credits)

Macomb Community College:

- Auto1000-3 credits
- Auto1010-3 credits

Mott Community College:

- Auto 191-Automotive Fund (Course Waived)
- Auto 151-Drum & Disc Brakes (6 credits)
- Auto 111-Engine Theory (4 credits)
- Auto 141-Suspension & Alignment (6 credits)
- Auto 161-Electrical Fundamentals (4 credits)

Northwestern:

- AU126-Suspension & Steering (6 credits)
- AU 127-Hydraulic Brake Systems (6 credits)
- HV101-Service & Procedures I (6 credits)

Ohio Technical College (up to 12 credits)

## Possible Certifications:

Brakes

Steering/Suspension

Electrical

Engine Performance

## Program Success Indicators

### Academic

- Add and Subtract Fractions
- Read and write at ninth grade level
- Calculate area and volume of a cylinder
- Basic geometry skills
- Read a ruler up to 1/16<sup>th</sup> of an inch
- Add, subtract, multiply, and divide whole numbers
- Basic computer skills
- Good keyboarding skills

### Interpersonal

- Able to work with other students
- Be responsible when not supervised
- Good attendance with positive attitude
- Able to follow directions
- Able to work well with adults

### Program specific

- Enjoy motor vehicles
- Enjoy working with your hands
- Enjoy learning about vehicles
- Willing to get hands dirty
- Willingness to work independently
- Willingness to take constructive criticism from mentors

### Instructor:

**Anthony Hoskins**  
(810)664-1124 ext 3998  
[ahoskins@lapeerisd.org](mailto:ahoskins@lapeerisd.org)