



# Diesel Technology

## Program Description

The Diesel Technology program prepares students for high skill, high wage careers in diagnosis, service, repair and maintenance of diesel engines, electrical systems, and brake systems of light, medium and heavy-duty trucks. First year students study preventive maintenance to learn the systems and progress to engines and basic electrical. Second year students work on air and hydraulic brakes, advanced diesel and electrical systems. The Diesel Technology program studies how alternative energy systems work and how they might be applied to the heavy truck industry. Upon completion, students will take the State Mechanic License tests. Students can participate in SkillsUSA, a student organization that promotes leadership and job skills.

## Related Professions

- Field Technician
- Diesel Technician
- Truck Driver
- Parts Person
- Mechanic Helper

## Articulations:

### **Baker College**

AST099-Introduction to Auto Tech  
AST111A Into to Automotive Electrical  
DSL101 Diesel Engine Theory  
DSL 141 Diesel Electrical/Electronic System I  
DSL181 Into to Diesel Maintenance and Repair  
DSL 241 Heavy Duty Heating/Air Conditioning

### **Davenport University (up to 30 credits)**

### **University of Northwestern Ohio:**

Au126-Suspension & Steering (6 credits)  
AU 127-Hydraulic Brake Systems (6 credits)  
HV101-Service & Procedures (6 credits)

## Possible Certifications:

## Program Success Indicators

### Academic

- Add, subtract, multiply whole numbers
- Add, subtract, multiply decimals
- Convert decimals to fractions
- Convert English to Metric
- Read Charts/locate information
- Computer literate
- Science knowledge of pressure, temperature, conduction, fluids etc.

### Interpersonal

- Teamwork skills
- Able to follow directions
- Good work ethic
- Able to work independently
- Program Interest

### Program specific

- Enjoy motor vehicles
- Enjoy hands-on work
- Good Hand-eye coordination
- Physically able to lift 50 lbs
- Willingness to take constructive criticism from mentors

### **Instructor:**

**Mike Bammer**

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*Paraprofessional: Charles Drake*

## **Lapeer County Education and Technology Center**

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