



# 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

## 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:

### Baker College

DSL1010 Diesel Engine Theory  
DSL 1410 Diesel Electrical/Electronic System I  
DSL1420 Diesel Electrical / Electronic System II

### University of Northwestern Ohio:

AU 126-Suspension & Steering (6 credits)  
AU 127-Hydraulic Brake Systems (6 credits)  
HV101-Service & Procedures (6 credits)

## Possible Certifications:

CVSA Air Brake Certification  
Safety Certification  
Michigan Mechanic License

## 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*