

# Heavy Diesel Maintenance

Winona Campus

## OVERVIEW

**Our new accelerated Heavy Diesel Maintenance diploma will get your career on the road in less than a year!**

Diesel is one of the hottest technical markets -- employers are looking for people who know how to work with diesel engines. With our accelerated diploma, you can begin your career in diesel maintenance faster than ever. In less than a year, you'll get two years' worth of training in Heavy Diesel Maintenance at Minnesota State College Southeast in Winona.

You'll graduate with the training you need to jump-start a career working on heavy-duty vehicles and other heavy diesel engines, such as buses and large agricultural equipment. Our program is set up to get you into the workforce faster:

- Heavy Diesel Maintenance runs for 2 full semesters and one 4-week summer session
- Starts in August and finishes the following June -- less than 12 months
- Diesel theory and laboratory sessions are staggered into 8-week terms
- Emphasis is on hands-on experience in a real-world setting -- you'll be ready to work!

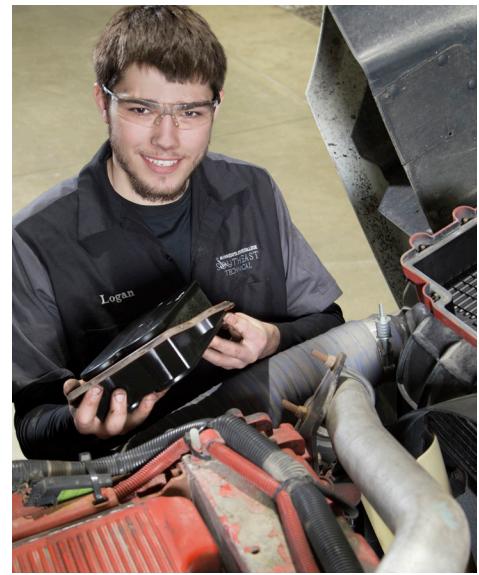
In this program, you'll gain an in-depth understanding of diesel technology spanning hydraulics, braking, engine performance, and diesel diagnostics. And because part of the job involves being able to move vehicles and test engine performance, we'll make sure you graduate with your CDL Class B license.

## MAJORS WITHIN

Heavy Diesel Maintenance	Diploma	44 credits
See backside for program plan		

## PROGRAM OUTCOMES

1. Know, understand, and apply the terminology common to heavy truck/diesel mechanics.
2. Apply the safe and skillful use of common tools, test equipment, and technology for preventive maintenance.
3. Diagnose/troubleshoot, service, repair, or replace components related to fundamental heavy truck and trailer systems.
4. Demonstrate the professional/ethical behaviors of timeless and self-directed task completion.
5. Master the general education program requirements for work and life goals.



## PROGRAM HIGHLIGHTS

Get your diploma in less than a year of full-time study

Program offered in our state-of-the-art Norris P. Abts Transportation Center

The program is continually upgraded to maintain the latest technology used in industry

You will graduate ready to work in a high-paying, in-demand field

## CAREER OPPORTUNITIES

Heavy Truck/Diesel Mechanic  
 Parts Manager  
 Service Technician  
 Service Writer  
 Fleet Technician  
 Lead Technician  
 Shop Supervisor  
 Service Manager  
 Specialty Technician

## PROGRAM COSTS - estimated cost including tuition, books and supplies

Heavy Diesel Maintenance - Diploma  
 \$11,912

# Heavy Diesel Maintenance - Diploma

## Sample Full-time Program Plan

Course No.	Course Name	Credits
<b>First Semester</b>		
Gen Ed	Math	2
DESL 1201	Introduction to Diesel Technology	3
DESL 1241	Diesel Preventative Maintenance	3
DESL 1220	Diesel Chassis/Suspension/Steering	3
DESL 1250	Diesel Drivetrain Systems	3
DESL 1231	Diesel Tractor/Trailer Brake Systems	2
WELD 1455	Trades Enhancement Welding	3
<b>Semester total</b>		<b>19</b>
<b>Second Semester</b>		
Gen Ed	English	2
DESL 1210	Diesel Electrical Systems	4
DESL 1261	Diesel Schematic Interpretation/Electronic Manuals	3
DESL 1271	Diesel Engine Service	3
DESL 1280	Diesel Diagnostics	4
DESL 1122	Hydraulics for Diesel	3
TRDR 1300	Straight Truck Proficiency	2
<b>Semester total</b>		<b>21</b>
<b>Third Semester (Summer)</b>		
AUTO 1117	Auto Heating & Air Conditioning Lab	2
AUTO 1207	Auto Heating & Air Conditioning Theory	2
<b>Semester total</b>		<b>4</b>
<b>Total Required Credits</b>		<b>44</b>