



# ACCREDITATION EVIDENCE

**Title:** Diesel Technology Program Information

**Evidence Type:** Clear

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**WAN:** 22-0346

**Classification:** Website

**PII:** No

**Redacted:** No





# Diesel Technology

The Diesel and Heavy Equipment programs at Western provides an opportunity for students to learn techniques and develop skills necessary for them to acquire a job or to advance in a job as a diesel/heavy equipment technician. The program is intended to give students basic knowledge with hands on activity.

The Diesel Truck / Heavy Equipment department utilizes Caterpillar and Cummins, for engine trouble shooting, diagnostic repair, and engine rebuild. The diesel department also relies on Peterbilt and Kenworth for heavy duty vehicle electrical systems, air systems, brake systems, and power train systems.

Helping students understand how to apply theory to a work situation and helping them gain the confidence to take on complex tasks and be successful. The program also strives to partner with the community to meet the needs of local business and industry.

- The students will follow troubleshooting trees to properly diagnose rough running/ not running engines.
- As required in DESL 1600, student will disassemble and assemble a running engine. Specific criteria is outlined in the class syllabus.
- Student will be able to troubleshoot a low pressure fuel system.
- Students will be able to properly adjust a manual transmission clutch.
- Students will remove and install a differential properly.
- Remove and install an axle hub properly.
- Adjust inlet and exhaust valves.
- Check all fluid levels, ie. Engine, transmission, hubs, and differential.
- Drain and fill all fluids, ie. Engine, transmission, hubs, and differential.

## Diesel Technology

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