

## **Diesel Technology -- Commercial Vehicle Diploma**

### **What about a career in Diesel Equipment repair?**

The Diesel Technology program offers the appeal of a wide variety of challenges as you learn to diagnose and solve diesel equipment problems on commercial vehicles and agricultural implements. You can choose to seek a diploma in either area or both skill areas by adding the third year option as described in the course sequence example plan. Our students begin by learning theory of operation for modern diesel-powered equipment. You will soon progress to basic maintenance procedures and minor repairs. Advanced training in this comprehensive program includes diagnostic skills for many vehicle systems including those that are electronically controlled.

You can look forward to working in a state-of-the-art lab and guidance from highly-qualified instructors who frequently attend industry training. Our courses keep lecture and classroom study to a minimum, emphasizing a hands-on approach to training. An active advisory committee made up of local employers assures that the programs curriculum remains current. An internship is included in our program plan. The second year of training allows students the option to major in either commercial vehicle or agricultural implement repair.

### **Employment Outlook**

Graduates of our diesel training programs have traditionally enjoyed high job placement success. Diesel Technology continues to be a vital link in the nations economy and you can look forward to a rewarding career.

### **Related Programs**

- Diesel Technology - Agriculture/Industrial (Diploma)



**Degree Type:** Diploma (DIP)

**Location:** Albert Lea

**Program Starts:** Fall

**Total Credits:** 69

**Course Plan:** Two Year, with optional third year with completion of the Agriculture/Industrial Diploma

**Program Costs:**

Number of Credits: 69

Tuition per credit: \$162.00

*Estimated Total Tuition Cost:*  
*\$11,178.00*

Additional Costs

Other required costs: \$1700 - \$3600 (Tool costs vary depending on vendor)

Books: \$575

### **Faculty & Advisors**

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# **Diesel Technology -- Commercial Vehicle Program Curriculum**

## Required Core Courses (63 Credits)

Crs ##	Name
DESL1101	Shop Safety, Tools & Equipment
DESL1102	Introduction to the Diesel Engine
DESL1103	Applied Diesel Engines Lab
DESL1104	Introduction to Electrical Systems
DESL1105	Applied Electrical Systems Lab
DESL1106	Clutch and Manual Transmission I
DESL1107	Industry Related Welding
DESL1208	Air & Hydraulic Brakes
DESL1209	Commercial Vehicle HVAC Systems
DESL1210	Diesel Project Lab
DESL1211	Electronic Engine Controls I
DESL1212	Introduction to Hydraulics
DESL1213	Diesel Fuel Systems I
DESL2114	Commercial Vehicle Preventive Maintenance & Inspections
DESL2115	Commercial Vehicle ABS Braking Systems
DESL2117	Caterpillar Engines & Fuel Systems
DESL2118	Commercial Vehicle Power Trains I
DESL2119	Commercial Vehicle Steering & Suspension Systems
DESL2120	Commercial Vehicle Drive Lines
DESL2221	Electronic Engine Controls II
DESL2222	Automated Transmissions
DESL2223	Cummins Engines & Fuel Systems
DESL2224	Diesel Information Systems
DESL2225	Commercial Vehicle Power Trains II
DESL2226	Diesel Technology Internship
DESL2504	Diesel Fuel Systems II

## General Studies Courses (6 Credits Required )

Crs ##	Name
GSCL1270	Employment Search Skills
GSCM1510	Workplace Human Relations
GSMA1420	Technical Math I
HLTH1130	Cardiopulmonary Resuscitation

Electives (Core Electives 3 Credits)

Crs ##	Name
DESL2227	Automotive Diesel Applications
DESL2508	Gas Engine Systems