



# **DIESEL TECHNOLOGY**

## **BASIC ELECTRICAL TESTING TRAINING**

### **Your Instructor – Carl Tesch, ASE Master Certified**

Carl was a Diesel Technology instructor at Lake Area Tech in Watertown for 32 years, including 6 years as department chairman. His duties included curriculum development, classroom instruction and supervision of lab work projects. He has a B.S. degree in Education from SDSU. He assisted in developing workbooks and standards for Diesel Technology curriculum with Multistate Academic and Vocational Curriculum Consortium which were used in diesel tech programs in 13 states. Carl is an ASE Master Certified heavy truck technician (all nine areas) and was invited by ASE to help write the ASE certification tests for heavy truck electrical and heavy truck brakes.

### **Objectives covered:**

- 1. Discuss Electrical safety guidelines**
- 2. Identify basic principles of electricity including symbols and circuit diagrams**
- 3. Explain Ohm's law/Watt's law**
- 4. Utilize multi-meter for testing resistance, current draw, voltage and voltage drop**
- 5. Perform battery testing**
- 6. Identify and explain battery layout and connections**
- 7. Perform starting system diagnosis and repair**
- 8. Perform charging system diagnosis and repair**
- 9. Test and repair chassis circuits testing, diagnosis and repair**



**Sign up today:**

**Register HERE!!!**

[www.lakeareatech.edu/corporate-education/corporate-education-registration/](http://www.lakeareatech.edu/corporate-education/corporate-education-registration/)

### **- Dates/Times**

**March 12-16, 2018  
8am-5pm**

**12 Students Max**

### **REGISTER BY:**

**March 8, 2018**

### **- Cost: \$975 pp**

### **- Where:**

**Aberdeen Diesel  
Training Building  
2919 Industrial Ave  
Aberdeen, SD**

**Perfect training for  
your employees!!**

### **LAKE AREA TECH**

**1201 Arrow Avenue  
Watertown, SD 57201  
605-882-5284x320**

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