



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**



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- Dates/Times

Call Steve Hauck
605-882-5285 ext 260

12 Students Max

- Cost: \$975 pp

- Where:

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

**Perfect training for
your employees!!**

LAKE AREA TECH

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Watertown, SD 57201
605-882-5284x320

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