

# DC Electrical Troubleshooting

<https://cwi.edu/program/dc-electrical-troubleshooting>



This course is perfect for beginning mechanics or those who have been in the field but need to brush up on their electrical systems and trouble-shooting knowledge. The concepts covered in this class will help you with electrical troubleshooting for any transportation vehicle, whether it be diesel, automotive, heavy equipment, or small engine.

## DC Electrical Troubleshooting

- 12 hours total in-class and hands-on lab time

You will learn the basic electrical concepts and fundamentals associated with any transportation engine. You will gain knowledge in the principles of electricity, magnetism, and Ohm's Law. Your time will be spent focusing on:

- Batteries
- Starting
- Charging
- Lighting circuits (series, parallel, and series-parallel)
- Troubleshooting
- Starting motors
- Charging systems, and accessories.

Upon completion, you will be able to:

- Identify components
- Test systems
- Repair minor electrical problems according to manufacturer's literature.

[View Available Classes](#)

## MISSION

Workforce Development at College of Western Idaho (CWI) provides you high-quality, short-term training to boost your job skills, acquire new career skills, and earn the certificates you need. Take as many classes as you want in our short-term, credit free classes with no applications, no transcripts, and no hassle. Just sign up and watch your career take off. Classes are offered at a variety of locations throughout western Idaho that are taught by knowledgeable professionals with years of experience in the topics they teach.

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One Stop Student Services | 208.562.3000 | [onestop@cwi.edu](mailto:onestop@cwi.edu)

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## DEGREES AND CERTIFICATES

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Certificate of Completion,  
Delivery Formats: In-Person

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## COSTS

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- Course Fee: \$275
- The price includes instructor-lead training, classroom handouts, and hands-on lab practice.

*Class costs and fees are subject to change without notice.*

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## PROFESSIONS

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- Diesel Mechanics
- Heavy Equipment Mechanics
- Diesel Operators
- Heavy Equipment Operators
- Electrical Systems Technician
- Professional Truck Drivers

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## LOCATIONS

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Nampa Campus Micron Education Center  
5725 E. Franklin Road, Nampa, ID 83687

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## PROGRAM CONTACT

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Workforce Development  
Workforce Development Admin  
208.562.2700  
wd@cw.edu

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