

Learn About:

- Troubleshooting any problem
- Problem statements
- Brainstorming methods
- Verifying the cause
- Selecting the fix
- Asking questions
- Teamwork
- Test equipment
- Using your senses/observations
- Adapting troubleshooting
- Potential problems
- Teamwork-based in-class troubleshooting
- Time efficient alternatives
- Problems based on the needs of the class
- Unique issues in the workplace
- Root cause of the problem
- Proper documentation and follow-up

Troubleshooting Essentials

Develop a Logical and Systematic Troubleshooting Approach to Maintenance



“The class and instructor were great. Learned a lot.”

A 2-day seminar that examines how core principles and practices of troubleshooting apply to nearly any maintenance task

- Reserve your space now! **CALL 1-877-978-7246**
- Check us out online at live.tpctraining.com for a complete listing of all seminars coming to your area
- This seminar is also available as an **Online Simulcast** or can be brought **On-Site** to your facility



SEMINAR OVERVIEW

Troubleshooting is at the core of plant and facility maintenance, and the core principles and practices of troubleshooting apply to nearly any maintenance task, from electrical to HVAC to pumps and motors. This highly versatile 2-day course, suitable for any maintenance role, provides the building blocks to apply a consistent troubleshooting methodology to any common equipment problem.

Students who complete the course will be equipped with techniques they can put into practice immediately to reduce downtime in their facility. When combined with our General Maintenance class in a 4-day Maintenance Fundamentals Workshop, this course delivers a complete foundation for successful facilities.

WHAT YOU WILL TAKE HOME

- Comprehensive classroom materials
- A Personalized Training Certificate with 0.8 TPC Training Continuing Education Units for each day attended, 1.6 for both days.
- All the information you need from asking our instructors specific questions about your own unique equipment or facility.

CONTINUING EDUCATION

Upon completion of this seminar, the student will receive a Certification of Completion and .8 TPC Training CEUs per day attended. Most employers and many government agencies accept TPC Training CEUs to fulfill their continuing education requirements. If the student needs CEUs to renew a state license, please contact us at 303-867-5039 to ensure the state licensing board has approved the seminar. If we are currently not approved by your state licensing board, we are happy to begin the process as long as we receive your request at least one month before the training date.

TRAINING PHILOSOPHY

TPC Training's curriculum is designed to provide complete coverage of essential industrial maintenance skills, across a full range of electrical training, HVAC, plant management, and mechanical & industrial topics. Our "see, touch, do" instructional approach allows us to impart practical skills in an intensive format.

The most vital part of our seminar format is the coverage that goes beyond the course outline. Our small class sizes allow each instructor to tailor the course to address students' individual needs, concerns, and experience levels. Our instructors deliver content with hands-on exercises, demonstrations role-playing, visuals, and case study discussions.

DISCUSSION TOPICS

Developing a Logical and Systematic Troubleshooting Approach

- The proper steps to troubleshoot any problem
- Developing the problem statement
- Proper brainstorming methods
- Verifying the cause
- Selecting the fix
- Working with machine operators / asking questions
- Using data available to quickly find problems
- Teamwork troubleshooting approach
- Properly using test equipment to diagnose problems
- Using your senses / observations to rule out possibilities
- Adapting troubleshooting to any piece of equipment or application
- Troubleshooting by job title

Interactive classroom troubleshooting activities and role-playing

- Description of situation
- Class discussion of potential problems
- Teamwork-based in-class brainstorming sessions
- Instructor-guided troubleshooting process to lead to a solution
- Discussing the best/most time efficient alternatives to solving a problem
- Problems range from mechanical to electrical to customized problems based on the needs of the class
- Scenarios based on the attendee's unique issues in the workplace
- Exploring the root cause of the problem
- Preventing the problem from re-occurring through proper documentation and follow-up

▶ ***"I will be able to use everything I learned, at work, at home, and in the field."***

▶ ***"Great seminar. Thanks."***

SEMINAR FEE & AGENDA

This 2-day course is just \$1195 (Earn 1.6 CEUs)

7:30 am	Registration
8:00 am	Class Begins
12:00 -1:00 pm	Lunch (on your own)
4:30 pm	Class Ends

NO RISK REGISTRATION & MONEY-BACK GUARANTEE

You can reserve your space in the class at any time and cancel without penalty. Cancellations made more than 14 days prior to the seminar may be refunded or rescheduled. Cancellations made within 14 days may be rescheduled for any future topic and/or date. If you're not satisfied with the course, we'll promptly refund your payment.

JOIN OUR CLASSROOM SEMINARS FROM VIRTUALLY ANYWHERE

live.tpctraining.com/simulcast

Our simulcast option allows students to connect to a live classroom seminar via a web link, with the ability to participate fully in the classroom dialogue, exercises, and Q&A. Online participants get all the benefits of the full classroom experience, plus the convenience of remote access.

Features include

- Two full days of live, interactive instruction from a TPC Training instructor
- All classroom materials in PDF format
- Certificate of completion for 16 hours of live training
- Full technical support to ensure your online experience is a rewarding one

BRING THE TRAINING ON-SITE TO YOUR FACILITY

live.tpctraining.com/on-site

Every public seminar class in our Course Catalog can be conducted on-site, with the same expert instructors. To arrange an on-site training, call or email us at onsite@tpctraining.com.

Some Advantages of On-Site Training

- Cost Savings — Save time and travel costs by keeping workers on-site
- Customized Content — Tailor the seminar to your facility and equipment
- Flexibility — Accommodate multiple shifts and different start and end times

