

**Learn About:**

- Electrical Safety
- Personal Protective Equipment
- Lockout/tagout (LOTO)
- Multimeters
- Electricity Fundamentals
- AC vs. DC
- Single Phase vs. Three Phase
- Transformers and Electrical Distribution
- Switches and Receptacles
- General Wiring Techniques
- Checking & Replacing Fuses
- GFCIs
- Replacing Light Fixtures
- Electric Motors
- Reading Electrical Schematics
- Preventative Maintenance
- Mechanical Safety
- Chemical Handling safety
- HVAC System Fundamentals
- Bearing Fundamentals
- Lubrication
- V-Belts
- Pumps, Blowers, and Fans
- Fire Extinguishers

# Introduction to **General Maintenance**

**A 2-day course  
designed for  
any maintenance  
technician**



*“The instructor was great and very knowledgeable.”*

**The Fundamentals of workplace safety and the basics of electrical, mechanical and HVAC maintenance**

- Reserve your space now! **CALL 1-877-978-7246**
- Check us out online at [live.tpctraining.com](http://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

This two-day course – offered for the first time and on a limited basis – is designed to meet the essential needs of every maintenance technician in every type of facility. It is the first course of its kind to cover the fundamentals of electrical, HVAC, and mechanical maintenance tasks in a single two-day seminar, along with the basic safety skills that every worker needs.

This is an ideal starter course for new hires as well as experienced technicians who made need a refresher, and an excellent base for the more in-depth training we offer in our electrical, HVAC, and mechanical categories. Combine it with our new Troubleshooting Essentials for a 4-day workshop that will put your facility on a path to better safety and productivity.

## 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

Basic Electrical Skills:

- Electrical Safety in the workplace: 2018 NFPA 70E, OSHA
- When and how to select Personal Protective Equipment (PPE)
- Lockout/tagout (LOTO)
- Multimeter Selection and Safety
- Electricity Fundamentals (Voltage, Current, and Resistance)
- AC vs. DC and their Applications
- Single Phase vs. Three Phase
- Transformers and Electrical Distribution
- How to Select and Replace Switches and Receptacles
- General Wiring Techniques
- Checking and Replacing Fuses
- When and Where should GFCI's be Used
- Replacing Light Fixtures/Ballast or Replace with LEDs
- Electric Motor Basics and Troubleshooting
- Fundamentals of Reading Electrical Schematics
- Preventative Maintenance Best Practices

Basic Mechanical and HVAC Skills:

- Mechanical Safety in the Workplace
- Working with hand tools
- Ladder Safety
- Chemical Handling safety
- Proper Lifting Techniques
- HVAC System Fundamentals
- Bearing Fundamentals, Types, Installation, and Applications
- Lubrication
- V-Belt Types, Alignment, and Proper Tensioning Procedures
- Basics of Pumps, Blowers, and Fans
- Fire Extinguisher Use and Inspection

▶ ***"The class was very in depth..."***

▶ ***"Excellent class. Good trainer."***

## 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](http://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](http://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](mailto: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

