

# Chillers: Water Type Operation & Maintenance of Chilled Water Systems Hands-On



The chiller is the heart of the chill water system, which operates best with knowledgeable and skilled technicians that can maintain logs, trends, and troubleshoot system problems effectively.

This course is a fundamental chiller system course. You will receive the critical information needed to increase your system's reliability and efficiency. Understanding chiller components, operations, and failure causes, enables optimal operation, maintenance, and troubleshooting of chillers. The most up-to-date information on the latest technology is provided to help maintain your system at peak performance.

Ask about the following industry certifications for students: NATE CEUs and the EPA certification for refrigerant handling.



## WHAT THIS COURSE COVERS

- Thermodynamics
- Chilled Water Systems
- Refrigeration System Operation
- Safe Handling and Use of New Refrigerants.
- Energy Conservation Measures.

## COURSE OUTCOMES

- Understanding of Chill Water System Principles, Components and Operation.
- Use of Tools and Test Equipment in The Operation, Maintenance and Troubleshooting of Chill Water Systems.
- How to Troubleshoot and Repair the Most Common Types of Domestic and Commercial AC and Refrigeration Systems

## WHO SHOULD TAKE THIS

- HVAC Technicians and Apprentices
- Electricians
- Mechanics
- Environmental Health & Safety Personnel
- Maintenance Technicians
- Energy Management Personnel
- Plant & Facility Maintenance Technicians

## COURSE AGENDA

- Conditioning & Refrigeration Overview
- Refrigerants & Refrigerant Oils
- Compressors
- Evaporators
- Air Handlers
- Metering Devices
- Condensers
- Piping and Accessories
- Heat Rejection System

☐ Lecture

☒ Hands-on

• **ONSITE:** 3-days (24 hours)

• **LIVE ONLINE:** N/A



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