

OP51 HVAC 4½-Day Seminar

Cost: \$925 includes all seminar fees and student text (For on-site, call us for price quotes).

Intended Audience: Maintenance, Operators, Technicians, and Management and one attending school for Facility Maintenance Certification

If you're responsible for the day-to-day operation or maintenance of your company's HVAC System is the best way to get the most out of your equipment investment, training budget, maximized efficiency, safety and performance.

This OMCSI seminar covers all aspects of residential and commercial HVAC Systems. Topics to be covered are specifically designed for HVAC and building maintenance technicians. The course also includes an introduction to HVAC fundamentals, types of HVAC equipment, load calculations, residential and commercial controls, maintenance, troubleshooting, and servicing procedures. The main focus of the seminar is the HVAC equipment operation: mechanical, electrical, and pneumatic systems; and the safety practices required to work on HVAC Systems. The seminar will also cover new developments in the combustion of fuels, heat pumps, control systems and system design, you will be able to reduce energy costs, reduce maintenance headaches, and increase production profits! You will understand how all types of HVAC components work and how to apply them to optimize the performance of your HVAC System.

This seminar is instructed by an American Society of Power Engineers Licensed Technical Instructor. These instructors must be seasoned instructors and maintain their credentials to carry this esteemed license.

Seminar Outline:

- Comfort
- Safety
- Thermodynamic and Heat
- Combustion and Fuels
- Electricity
- Psychometrics
- Forced-Air Heating System
- Steam and Hedonic Heating Systems
- Refrigeration Principles
- Management of Refrigerants and Refrigeration Systems
- Refrigerants Systems
- Pressure-Enthalpy Diagrams
- Compression Systems-Low Pressure Side
- Compression System-High Pressures Side
- Air Conditioning Systems
- Heat Pumps
- Control Systems
- Heating and Control Loads
- Load Calculations
- HVAC Unit Selection Forced-Air System Design
- Hydronic System Design
- Distribution System Balance

ASOPE HVAC Chiller Operating Engineer License testing is available at the end of this course for qualified individuals by request only.

OP51-1207