

# Eastern Heating & Cooling Council

*Training for the HVAC Professional*

## Air Conditioning Troubleshooting

This course will provide an overview of air conditioning fundamentals and includes topics such as saturation charts, condenser and evaporator operation, superheat and subcooling, compression ratio and charging by weight, as well as reading schematics for both split systems and packaged units. The class will also explore the sequence of operations for air conditioning systems in order to create a more logical method for diagnostic procedures. Through the use of computer simulation programs, technicians will learn to diagnose common operating and mechanical defects. This approach will allow technicians to troubleshoot and diagnose R-22 as well as R-410A air conditioning system problems faster and more accurately.

### Course Topics:

- Refrigerant Diagnostics
- Start Relay Coil
- High Pressure Switch
- TXV Power Element
- Fan Motor Capacitor
- Control Transformer
- Compressor Windings
- Thermostat Fan Switch
- Start Relay Contacts
- Low Pressure Switch
- Compressor Locked Rotor
- Circuit Breakers
- Contactor Coil
- Indoor Fan Relay
- Basic Electricity
- Electrical Schematics
- Superheat
- Subcooling



### Course Fee Includes:

- Lunch
- Certificate of Attendance
- Troubleshooting Manual

**Check our Online Training Schedule  
for Dates & Times!**

**Course Fee: \$125.00  
EHCC Member Fee: \$75.00**

To enroll, call toll free 1-800-247-6547, or FAX us at 1-856-608-0923  
Ask about our special in-house training rates!