

Cross Thread



A Small Degree of Alignment Makes a Big Difference!!

Classes for the HVAC/R Level 3 Technician

301. Modulating Condensing Boilers

Who should attend

Knowledge of Heat Energy, Electrical Fundamentals and Combustion Analysis.

Expected Learning Outcomes

Components, Schematics, Adjustments, Combustion Testing, Unit Efficiencies, CO, CO2%, O%, Stack Temperatures and Proper Adjustments

302. Advanced Refrigeration Controls

Who should attend

Knowledge of A/C System Service and Electrical Fundamentals.

Expected Learning Outcomes

Defrost Controls, Head Pressure Control Valves, Expansion Valves, Hot Gas Bypass, Flood Back Head Pressure Controls, Oil Controls

303. Modulating Power Burners & Controls

Who should attend

Knowledge of Heat Energy, Electrical Fundamentals and Combustion Analysis.

Expected Learning Outcomes

Components, Schematics, Adjustments, Combustion Testing, Unit Efficiencies, CO, CO2%, O%, Stack Temperatures and Proper Adjustments

304. Ice Machine and Refrigeration Service

Who should attend

Knowledge of A/C System Service and Electrical Fundamentals.

Expected Learning Outcomes

Differences Between Ice Types, System Types, Maintenance, Schematics and Adjustments

305. Cooling Towers and Building Loops

Who should attend

Knowledge of Evaporative Cooling, Electrical Fundamentals, Hydronic Pumps.

Expected Learning Outcomes

Cell Decks, Distribution Tubes, Sump Heaters, Bypass and 3-Way Valves, Water Balancing

306. Reciprocating Chillers

Who should attend

Knowledge of A/C System Service and Electrical Fundamentals.

Expected Learning Outcomes

Charging Procedures, Subcool, Superheat, Air Flow Issues, Schematics and Troubleshooting

307. Heat Load Calculations

Who should attend

Anyone with a desire to learn heat load calculations for residential.

Expected Learning Outcomes

Heat Load Methods, Loads, Design Conditions, Solar, Transmissions, Infiltration, Ventilation

308. Ductwork Design and Airflow

Who should attend

Knowledge of Heat Load Calculations for Ductwork Design.

Expected Learning Outcomes

Apply Heat Load Calculations to properly size residential ductwork

309. IMC Mechanical Codes

Who should attend

Anyone with a desire to further their career towards a 4-Year Journeyman or a 12-Year Supervisor License.

Expected Learning Outcomes

Code Preparation for Ventilation, Combustion Air, Venting and Installations

310. IMC Fuel Gas Codes

Who should attend

Anyone with a desire to further their career towards a 4-Year Journeyman or a 12-Year Supervisor License.

Expected Learning Outcomes

Code Preparation for Gas Piping, Chimneys and Vent Installations

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