

Johnson Controls Institute Course

Testing, Adjusting, and Balancing HVAC Systems (#228)

\$1,445/**\$1,295**
(3.0 CEU)

Increase occupant comfort and assure optimal system performance by Testing, Adjusting, and Balancing (TAB) your air and water distribution systems. Experienced HVAC technicians will learn the fundamentals of TAB in this hands-on lab course. Participants learn how to diagnose and remedy air and water system problems using psychrometric charts, formulas, and test instruments. Classroom instruction is reinforced by practical lab exercises using actual air and water distribution systems and state-of-the-art test instrumentation located at the Phoenix Institute

Prerequisite: HVAC Maintenance (#220) or HVAC Mechanical Systems (#210) or Equivalent Experience

MONDAY

AM: Introduction to Testing, Adjusting, and Balancing (TAB)
Psychrometrics, Air Properties, and HVAC Processes
PM: Air Pressure and Flow: Principles and Measurement
Air Pressure and Flow Instrumentation

TUESDAY

AM: Fan Laws: Curves and Performance
Air Distribution System Configurations
Ventilation and Building Pressure
Variable Air Volume Systems
Air Balancing Procedures
PM: Water Properties
Water Pressure and Flow: Principles and Measurement
Water Pressure and Flow Instrumentation
Pump Laws: Curves and Performance
Water Distribution System Configurations
Water Balancing Procedures

WEDNESDAY

LAB: TAB Practical Exercises

THURSDAY

LAB: TAB Practical Exercises

FRIDAY

LAB: TAB Practical Exercises
Course Review

Course ends at 11:30 a.m.

