

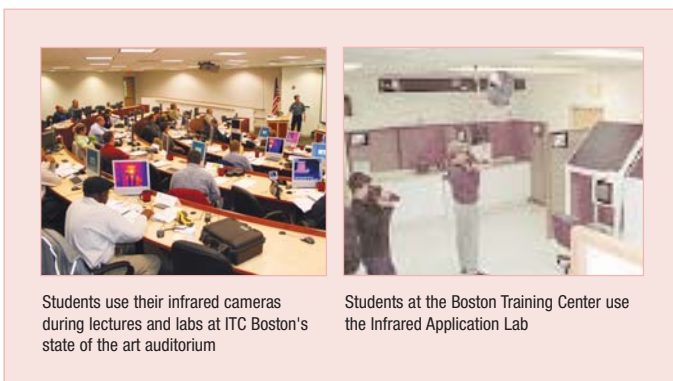
# Thermal Imaging for Residential Energy Audits

## The Difference is Training

This course is intended to give the student the knowledge base necessary to perform IR surveys of residences, primarily single family homes, to identify weatherization issues.

### Course benefits:

- Introduction to thermal imaging and measurement systems for predictive maintenance applications.
- Interpret thermograms and see the latest in infrared inspection report generation
- Identify thermal anomalies that indicate missing insulation and insulation defects due to damage, moisture and improper installation
- Use other testing devices such as blower doors to provide indication of potential areas of imminent condensation, moist or wet areas as well as air infiltration and exfiltration
- Find duct leaks with duct pressurization testing
- Challenge yourself with field applications labs that closely simulate real-world infrared applications
- Learn the caveats and environmental conditions necessary for a successful weatherization IR survey, as well as the pitfalls to avoid
- Approved by RESNET for 16 continuing education credits, BPI recognized for 8 CEU credits
- ITC's domestic and international infrared training staff includes ASNT and BINDT Level III thermographers with over 100 years combined infrared thermography applications experience. ITC training courses are taught by certified instructors with extensive experience in a wide variety of infrared thermography and thermal imaging applications.
- Attendees completing all training course requirements will receive an Intro To Weatherization Certificate
- Includes course instruction, course materials, and lunch each day



Students use their infrared cameras during lectures and labs at ITC Boston's state of the art auditorium

Students at the Boston Training Center use the Infrared Application Lab

### Thermal Imaging for Residential Energy Audits Outline

- Introduction to IR Thermography
- Weatherization Survey Overview
- IR Camera Setup and Operation
- IR Science Fundamentals
- Practical Guidelines
- Case Studies and In-Depth Discussion
- Application Lab Exercises
- Resources and Existing Standards - Strengths and Weaknesses
- Reporting Results
- Quiz
- Survey and Certificates
- Wrap-up Q&A

### About Infrared Training Center (ITC)

The Infrared Training Center (ITC) has invested in the people, resources and technology to create a world class training program and facility. The ITC originally emerged as an operator training course, but has evolved over the past 25 years into an infrared predictive maintenance certification program that teaches operator training as well as infrared theory and applications.

Our state-of-the-art in house training centers include an applications lab, multi-media lecture hall, and computer lab facilities. We bring the field into our lab with real-world hands-on workshops. ITC courses are interesting, fun and practical. We continually strive to give the students what they want and what they need so they can do their jobs successfully. We want them to be infrared heroes.

### ITC Profile

- Global Leader in IR Thermography Training
- ISO-9001 Registered and NETA accredited in IR Thermography Training
- Level I, II and III Condition Monitoring IR Certification, IR Applications, R&D Courses, and Application Courses
- InfraMation, The Largest Annual Thermographer's Conference sponsored by ITC and FLIR Systems
- Free monthly application newsletter
- More ASNT Level III instructors than any other training organization
- Comprehensive Hands-On Training
- Extensive Application and Software Labs
- Exclusive Factory Authorized Training for FLIR, Agema and Inframetrics Products
- Classroom and on-demand web-based courses



RECOGNIZED  
TRAINING



### Ordering Information:

ITC-RESNRG-2 .....Thermal Imaging for Residential Energy Audits Training

Tel: 1.800.464.6372

CANADA: 1.800.613.0507

www.flir.com/thermography

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