

Level 1 Thermography Training

The Difference is Training

This course is geared to the new infrared camera user and focuses on its use for a variety of condition monitoring/predictive maintenance applications.

Course benefits:

- Introduction to thermal imaging and measurement systems for predictive maintenance applications. No experience in thermography is necessary!
- Collect quality data, accurate temperature readings, and account for measurement effects such as distance and emissivity using infrared cameras
- Interpret thermograms and make informed decisions using heat transfer concepts to analyze thermal images, and see the latest in infrared inspection report generation and database software
- Avoid costly mistakes - learn to distinguish between hot spots and reflections, direct vs. indirect readings and qualitative vs. quantitative thermography
- Challenge yourself with field applications labs that closely simulate real-world infrared applications
- ITC's Level 1 Infrared Course meets all Level I ASNT-SNT-TC-1A recommendations for thermal/infrared testing, as established by the American Society for Non-Destructive Testing (ASNT)
- Infrared courses are developed and taught by ITC's ASNT Level III and EPRI Level III Instructors. ITC's domestic and international infrared training staff includes 5 ASNT NDT Level III thermographers with over 100 years combined infrared thermography applications experience. The Level 1 infrared 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 and an thermography field assignment will receive a Level 1 Infrared Thermography Certification
- Includes course instruction, course materials, and lunch each day



Level 1 Thermography Course Outline

- Introduction
- Infrared Thermography Applications Overview
- Basic Camera Setup and Operation
- Thermal Science Fundamentals
- Heat Transfer
- Fundamentals of Infrared Science
- Thermal Measurement
- Electrical Applications
- Thermography Safety
- Mechanical Applications
- Building Applications
- Review
- Final Exam

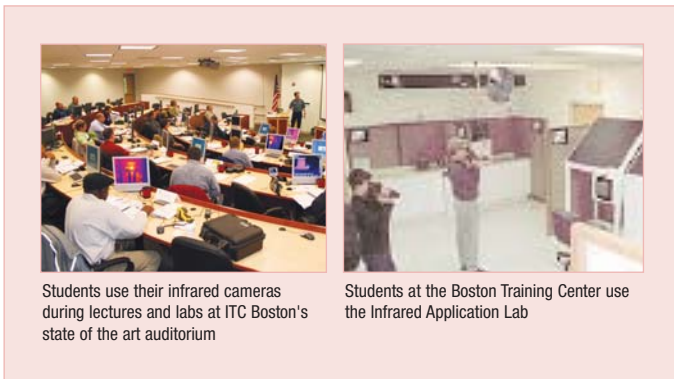
About Infrared Training Center (ITC)

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 a 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



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

EXTECH Ordering Information:

ITC LEVEL 1ITC Level 1 Certification Training per attendee