

LEVEL III Infrared Training Certification

Infrared Certification Training

Presented By The #1 Infrared Training Company In The World!

The Academy of Infrared Training is the foremost provider of Infrared Certification Training in the world! We're flexible and can deliver the training you and your company require, where and when you need it. The Academy of Infrared Training has been training individuals and companies internationally for the past 25 years!

Level III

This course is provided to advance a Level II Thermographer to the level where they are able to initiate and manage an Infrared Thermographic Program. The course material will give them an advanced understanding of the information necessary to direct other thermographers to provide written procedures and purchase suitable equipment.

Academy Training Courses Are Dynamic, Practical, Informative And Valuable!



Level III Infrared Certification Outline

PRINCIPLES AND THEORY

Conduction, Convection, Radiation
The Nature of Heat and Heat Flow
Proper Selection of Thermal/Infrared Testing
Differences Between IR/T and Other Methods
Complimentary Roles of Other Methods
Factors that Qualify and Disqualify IR/T

EQUIPMENT & MATERIALS

Contact Temperature Measurement Equipment
★ *Thermometers*
★ *RTDS*
★ *Change of State Devices*
Infrared Imaging Devices
★ *IR Film*
★ *Light Intensifiers*
★ *2 – 12 μm Infrared Equipment*
Non-Contact Temperature Measurement Devices

TECHNIQUES

Calibration of Infrared Systems
Emissivity Calculations
Reflectivity Calculations
Transmissivity Calculations
Overview of Passive Application Techniques
Overview of Active Application Techniques

EXISTING INFRARED AND RELATED STANDARDS

ASNT – *American Society for Non-Destructive Testing*
ASTM – *American Society for Testing and Materials*
ANSI – *American National Standards Institute*
IEEE – *Institute of Electrical and Electronics Engineers*

INFRARED PROGRAM INITIATION AND MANAGEMENT

Selecting Equipment
Understanding Various Certification Procedures
Written Program Procedures and Documentation
Managing Level I and II Thermographers
Safety Standards
Reporting
Database Management
Cost Justification
Software Programs
Inspection Reports
Preparing for ASNT Level III IR/T Examination

For More Information:

**Please contact Academy's Course Coordinator at:
177 Telegraph Rd., Suite 720, Bellingham, WA 98226
Tel: 360-676-1915 | 604-516-6646
Fax: 604-516-6674
Email: AIRT@InfraredTraining.NET
Web: www.InfraredTraining.NET**
