

When: January 9, 2020 @ 8:00 AM EDT

Where: **Capital Plaza Hotel** 405 Wilkinson Boulevard, Frankfort KY 40601

Room: Seminar Room

What to Bring: writing utensil, thermal camera (if applicable), laptop.



RESIDENTIAL THERMOLOGIST

KENTUCKY THERMAL INSTITUTE

DAY 1 OF 2

8:00 AM	Introductions Educators Staff Students
	Certification Summary Institute Welcome / Expectations of Course / Testing Standards
	What is a Thermologist? Thermologist vs Thermographer ITC Levels of IR Impact on Industry/ FLIR History Applications
9:30 AM	BREAK - 10 Minutes
	Qualitative Data with IR Qualitative vs Quantitative MSX The importance of an accurate scan Spatial Resolution FORD
	The Science of Infrared Infrared Wavelengths The 1st Law of Thermodynamics The Principles of IR
11:20 AM	BREAK - 10 Minutes
	Hands on with IR cameras Demonstrations of the Principles of IR Seek and Find
12:20 PM	1 HOUR LUNCH - Provided

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DAY 1 Continued

1:20 PM	EXTERIOR Block Wall and Foundation Inspection Brick Wall Inspection
	Energy Loss Evaluation - Exterior Missing/Damaged/Poor Performing Insulation Windows Doors Attic Peaks
2:50 PM	BREAK - 10 Minutes
	Energy Loss Evaluation - Exterior Continued lesson
4:30 PM	BREAK - 10 Minutes
	Hands on Camera Usage Training Image capture for later reporting
	Review of Day 1 Content
	Day 1 Testing
5:40 PM	Day 1 Education Complete

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DAY 2 OF 2

8:00 AM	Day 1 Quiz Review
	A Thermographer's Roof Scan Using a monopod Drone Thermography
	Solar Panels
	Gutters Leaks Pitch Blockages
9:00 AM	BREAK - 10 Minutes
	INTERIOR Residential Electric
	Energy Loss Evaluation - Live
12:00 PM	1 HOUR LUNCH - Provided
1:00 PM	Energy Loss - Interior Missing Insulation Windows Doors Return Vents Floor and Ceiling Vents
	Interior Moisture Roof Leaks Window Pane Moisture Attic Leaks
2:30 PM	BREAK - 10 Minutes

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DAY 2 Continued

2:40 PM	The Ease of a Home Inspection with IR Leaking Sinks, Toilets, Washers, Bathtubs. Stove Heating Water Heater Sediment Level Proper Heating
	Under the Home HVAC Issues Plumbing Leaks/Blockages Suspected Mold
	FLIR Tools Image Tuning and Reporting
4:10 PM	BREAK - 10 Minutes
4:20 PM	Live Image Tuning and Reporting
	Final Examination Leave as you finish and return once everyone has completed their exam. Review Open Book Teaching of Incorrect Answers
5:30 PM	Day 2 Education Complete

Kentucky Thermal Institute

CE Provider Number 1170

CE Course Number **Residential Certified Thermologist:** 22931

760 Campbell Lane STE 106-219

Bowling Green, KY 42104