

# Ultrasound Training - Level I Certification

Significantly improve your predictive maintenance program and implement a world-class ultrasound program at your facility

## COURSE OUTLINE:

Conforming to the classroom requirement of ASNT Recommended Practice, SNT-TC-1A and in accordance with ISO 18436-8, the course offers 32 hours of instructions followed by a written examination.

This is a comprehensive classroom course in which the theory, principles and practices of Airborne Ultrasound Technology are taught. Instructors for this course have been selected for their outstanding comprehension, experience and technical expertise in the field of Airborne/ Structure Borne Ultrasound. The course was designed by a committee of experts, some of whom were responsible for pioneering and developing the technology.



## AGENDA

This course gives the student a depth of knowledge necessary to perform IR investigations of single or multifamily dwellings to identify envelope, moisture, electrical and mechanical issues.

- Review of Certification Requirements
- Theory of Sound
- Fundamental Principles of Ultrasound Physics
- Transmission and Effects of Ultrasound Waves
- Efficiency of Airborne Ultrasounds
- Overview of Typical Applications & Integration of Technology
- Overview of Instruments and Software
- Leak Selection
- Inspection of Heat Exchangers
- Analysis of Compressed Air Leaks
- Electrical Inspection
- Integration of Ultrasound & Infrared Methods
- Valve Inspection
- Steam Trap Inspection
- Review of Proactive & Predictive Maintenance Concepts
- Inspection of Compressors, Gears, Pumps, Motors & Fans
- Inspection of Bearings/Study of Trend and Lubrication
- Data Recording
- Spectral Sound Analysis
- Examination

**Cancellations:** If your plans or budgets change, you may cancel your reservation up to 14 calendar days prior to the start of the course without incurring a cancellation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to the start of the course, and full tuition for failure to attend without canceling. Substitutions are accepted until the first day of class.



Date: September 23-27, 2019

Time: 8:00am - 5:00pm

Cost: \$1495  
(Lunch & Refreshments Included)

Location: Lakeside Process Controls  
2475 Hogan Drive  
Mississauga, ON

**LIMITED SPACE AVAILABLE**



**CLICK TO REGISTER**

