



Course Outline

Ultrasonic Testing Level I 40 Hours

Duration: 5 Days (40 Hours)

This course introduces the basic principles of Ultrasonic Testing and prepares the candidate for Thickness Measurement and other 0-degree inspections.

This course prepares a candidate to

- Perform Specific Calibrations
- Perform Specific NDT Examinations
- Specific Evaluations for Accept or Reject Determinations according to written Instructions
- Record Results

The following outlines the material to be discussed:

- Personnel Certification
- Manufacturing discontinuities
- Wave modes
- Acoustic impedance
- Refraction and reflection
- Piezoelectric transducers
- Pulser receiver
- Attenuation
- Thickness measurement
- Immersion testing
- Flaw detection - 0 degree
- Practicals
- Examinations
 - General
 - Specific
 - Practical

Candidates must score a minimum of 70 % in each test and a minimum of 80% average for all the three tests.