

This training aims to equip engineers with a comprehensive overview of welding practices, Non-Destructive Testing (NDT) techniques, and metallurgical principles using hands-on exercises. In addition to engineers, quality assurance professionals, inspectors, and technicians can benefit from this training as well.

Scope:

This dynamic training offers an immersive learning experience that covers the entire spectrum of welding processes and associated quality assurance measures.

Instructor led topics include, but are not limited to:

- Introduction to Welding
- Welding Procedures and best practices
- NDE Techniques
- Metallurgy Fundamentals

The course delivery will include in-class group work and hands-on lab work.

Objectives:

Upon completion of this course, attendees will be able to:

- Define and differentiate various welding processes.
- Interpret NDE reports.
- Understand fundamental metallurgical concepts, including the effects of welding on material properties and the importance of material selection in welding processes.
- Demonstrate practical skills in welding through hands-on exercises.

Prerequisites:

Background in engineering, safety training, and a basic understanding of material science.

Suggested Class Size:

Minimum 10

Maximum 18

Course Length:

8 hours (1 day)

*The training duration is initially set at 8 hours (1 day). However, customization options are available, allowing for an extended format of 16 hours (2 day).