

AWS-CWI Certification Preparation

Course Length:	Six full days (58 hrs), with optional evening study sessions
Cost:	\$1200
Instructor:	Reggie Thomson

This class is designed for inspectors and engineers working in petrochemical or fabrication facilities.

Course Overview

The course prepares the student for the AWS-CWI (*Certified Welding Inspector*) exam. This is an intensive one-week course with a heavy emphasis on the technical and inspection aspects of welding. This course content includes:

- Welding Inspection Technology 2 days
Welding Terminology - Symbols, Joints, etc.
Welding Processes
Welding Metallurgy
Inspection of Welds - Visual and NDE
- API 1104, The Pipeline Welding Code 1 day
- Hands on training: Use inspection tools on weld replicas 2 day
- Review and Practice Exam 1 day

Objectives

The course provides participants with the knowledge necessary to:

- Successfully pass the AWS-CWI certification exam
- Effectively use the primary code: API 1104
- Understand applications and limitations of welding processes
- Identify welding symbols, joint configurations, and parts of welds
- Use inspection tools to measure welds and weld discontinuities.

Class Participants

Students should have 3-5 years of experience at one of the following: petrochemical facility or pipeline, fabrication facility, shipyard, or any other job associated with welding. There are no required class prerequisites, but other helpful courses include: *Magnetic Particle Inspection, Penetrant Inspection, Visual Inspection* and *RT Film Interpretation*.

Notes

This is an intense course with daily homework and a final exam (similar to the AWS-CWI exam). A study guide is issued to direct participant's pre-class study. We recommend the student stay at the class hotel.

To obtain application for AWS CWI certification, see: www.aws.org/certification/

Bring to Class

Students should bring to class: a calculator, a straight edge (or triangle), pencils, highlighters, lots of questions, and a "can-do" attitude. Also, participants must bring the appropriate books required for the CWI class and exam. (see below)

Required Books for Exam

API 1104 Pipeline Welding Code 20th or 21st Edition)

Required Books for Class

API 1104 Pipeline Welding Code (20th or 21st Edition)
AWS WIT-T Welding Inspection Technology (2008)
AWS WIT-W Welding Insp Tech Workbook (2008)

Note: These books can be order at website www.global.ihs.com (Global Engineering Documents).