

# API 570 Certification Preparation



**Course Length:** 6 days (60 hrs), with optional evening study sessions  
**Cost:** \$1200  
**Instructor:** Mark Smith or Reggie Thomson or Keith Devall

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This class is designed for pressure equipment inspectors and engineers working in refineries, chemical plants, gas plants, pipeline terminals, and oil fields. This course is also useful for maintenance supervisors involved in welding pipe.

## Course Overview

The course prepares the student for the API 570 exam. The course is an intensive one-week course with a heavy emphasis on the use of the codes and mathematical calculations. This course content includes:

- |                       |       |                 |         |
|-----------------------|-------|-----------------|---------|
| • Using B31.3         | ½ day | • API 570       | 1½ days |
| • Piping Calculations | 1 day | • B16.5 & other | 1½ days |
| • Section IX Welding  | 1 day | • Exam          | ½ day   |

## Objectives

The course provides participants with the knowledge necessary to:

- Successfully pass the API 570 piping inspector certification exam\* (*see our guarantee*)
- Effectively use major codes: ASME B16.5 & B31.3; ASME B&PV Sections V & IX
- Perform all basic vessel calculations needed for the API exam (e.g.  $t_{min}$ , test pressure, MAWP, MDMT, corrosion rates, remaining life, etc.)
- Use API's requirements during inspection, repairs, and alterations of piping
- Review welding procedures (WPS/PQR) and welder performance qualifications (WPQ)

## Class Participants

Students should have 3 years of experience at a petrochemical facility and have at least 1 year of inspection experience. There are no required class prerequisites.

## Notes

This is an intense course with daily homework and a final exam (similar to the API 570 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 API 570 certification, see: [www.api.org/icp](http://www.api.org/icp)

## 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 codes required for the API exam (see API web-site: [www.api.org/icp](http://www.api.org/icp))

### Required Codes for Exam

#### ASME Codes:

*B&PV Section V Non-Destructive Examination*  
*B&PV Section IX Welding Qualifications*  
*B16.5 Flanges & Flanged Fittings*  
*B31.3 Process Piping Fabrication*

#### API Codes:

*API 570 Piping Inspection Code*  
*API 571 Material Degradation Mech. (partial)*  
*API 574 Inspection of Piping Components*  
*API 577 Welding Inspection*  
*API 578 Material Verification Program*

*Note: See the API website [www.api.org/icp](http://www.api.org/icp) to determine which editions will be used for your exam.*