

Engineering Fundamentals of Piping & Pipelines (ASME B31.3, B31.4 & B31.8)

Weekend & Evenings
March 6th – 27th
2021

COURSE OBJECTIVE

Upon completion of the course, participant should acquire good knowledge on design, construction and inspection of piping systems, which include process plant piping as well pipeline. The course provides emphasis on understanding the ASME Codes (B 31.3, 31.4, 31.8, 16.5 & B16.47).

WHO SHOULD ATTEND

This course is designed for:

- Mechanical Engr. (Fresh graduate)
- Piping Design Engineers.
- Process Engineers
- Project & Construction Engineers
- Quality Engineers
- Inspection Engineers & Technician
- Operation Engineers
- Piping Designers
- Engineers of Petrochemicals & O&G.

COURSE OUTLINE

- Piping Systems Types
- Applicable Codes & Standards
- Material Selection for Piping Systems
- Manufacturing of Line Pipe
- Pipe Wall Thickness Calculations (ASME)
- Flanges-Gaskets Types & Selection
- Valves Types, Manufacturing & Testing
- Control Valves Types & Function
- Plant Piping Layout
- Construction of Process Piping
- Inspection and Pressure Testing
- Pipeline Design and Construction
- Hot Tapping for Piping and Pipeline
- Typical Field Problems in Piping
- Piping Vibration Types & Causes

Day	Week 1	Week 2	Week 3
Saturday 8:30 AM - 5:00 PM	Mar. 6	Mar. 13	Mar. 20 & Mar. 27
Monday 6:00 PM - 9:00 PM	Mar. 8	Mar. 15	Mar. 22
Tuesday 6:00 PM - 9:00 PM	Mar. 9	Mar. 16	Mar. 23
Wednesday 6:00 PM - 9:00 PM	Mar. 10	Mar. 17	Mar. 24

Muhsen AlSannaa

The instructor is an experienced piping & pipelines consultant with over 35 years solving various field problems in his area of expertise, reviewing projects design, performing and reviewing piping stress analysis. He has developed standards, research concepts & SOW. He was the leader for engineers & designers for many years.

Muhsen has been teaching this ever evolving course since 1996.

CONTACT INFORMATION

Mr. Hosam Abbas

Computer & Software Training Center
Dammam, KSA

Telephone +966 13 814 4741 Ext. 222

Mobile: +966 558833033

WhatsApp +966 500129167

Email: training@compusoftme.com

Accredited by

Technical and Vocational Training Corporation

معتمدة من
المؤسسة العامة للتدريب التقني والمهني