

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

Weekend & Evenings
November 6th –27th
2021

Online Attendance is Available

COURSE OBJECTIVE

Upon completion of this **55** hours course, participant should acquire substantial knowledge on design, construction and inspection of piping systems. Material covers both process plant piping as well pipeline. The course provides emphasis on understanding of 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



+966 13 814 4741 Ext. 222



+966 558833033



+966 500129167



training@compusoftme.com

Muhsen AlSannaa

The instructor is an experienced piping & pipelines consultant with over **37** 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 rich and evolving topic since 1996.

<https://www.linkedin.com/in/muhsen-sannaa/>

Day	Week 1	Week 2	Week 3
Saturday 8:30 AM - 5:00 PM	Nov. 6	Nov. 19	Nov. 20 & Nov. 27
Monday 6:30 PM - 9:15 PM	Nov. 8	Nov. 9	Nov. 10
Tuesday 6:30 PM - 9:15 PM	Nov. 15	Nov. 16	Nov. 17
Wednesday 6:30 PM - 9:15 PM	Nov. 22	Nov. 23	Nov. 24

Accredited by
Technical and Vocational Training Corporation

معتمدة من
المؤسسة العامة للتدريب التقني والمهني