

## ASME B31.3 PROCESS PIPING

### OBJECTIVE:

The objective of this course is to provide participants with an understanding of the design requirements, the basis for these requirements and their relationship with the materials, fabrication, and examination requirements.

**CONTENTS:** A two day course consisting of the following:

DAY 1:	DAY 2:
<ul style="list-style-type: none"><li>• Introduction</li><li>• Scope of B31.3</li><li>• Responsibilities</li><li>• Fluid Services</li><li>• Safeguarding</li><li>• Allowable Stress</li><li>• Design Qualifications</li><li>• Loadings</li></ul>	<ul style="list-style-type: none"><li>• Standard Components</li><li>• Loadings</li><li>• Pressure Design</li><li>• Flexibility</li><li>• Pressure Relief Systems</li><li>• Material - Design</li><li>• Fabrication – Design</li><li>• Category Specific</li></ul>

### WHO SHOULD ATTEND?

The B31.3 course is directed toward designers and personnel who are required to understand the basis for the design requirements of this code. Personnel attending should have some understanding of piping design and a willingness to participate in discussion activities related to the Code requirements.

### EXPECTATIONS:

Course participants with adequate experience will have attained the following information at the end of the course:

1. An understanding of the concepts used in the B31.3 Code to maintain Pressure Boundary Integrity and operate in a safe manner when subjected to the specified loading conditions.
2. A working knowledge of the relationship between the design of the piping systems and the response of piping components to loading.