This customizable training aims to equip operators with the essential knowledge and skills required for safe, efficient, and effective process operations. The training covers a range of topics, from fundamental process principles to advanced control strategies, ensuring operators are well-prepared for their roles within the company.

Scope:

This training can range from a 24-hour, 40-hour, or 80-hour training, designed to help chemical plant professionals improve their knowledge and skills in critical areas of petrochemical plant operations.

Instructor led topics include, but are not limited to:

- Petrochemical Processes – Fluid Transfer, Distillation, Separation, Storage
- Process Equipment – Piping & Valves, Heaters & Heat Exchangers, Pumps & Compressors
- Process Control – Pressure, Temperature, Level, Flow
- Process Operations – Normal Startup, Normal Operations, Basic Troubleshooting, Normal Shutdown

The course delivery will include in-class group work and hands-on lab work.

Objectives:

Upon completion of this course, attendees will be able to:

- Recognize basic petrochemical processes involving Fluid Transfer, Distillation, Separation and Storage.
- Identify common process equipment, such as Piping & Valves, Heaters & Heat Exchangers, Pumps & Compressors.
- Describe key process variables: Pressure, Temperature, Level, Flow, - how they are monitored and controlled.
- Understand essential principles of process safety and operational troubleshooting.
- Perform process operations tasks following standard operating procedures – Normal Startup, Normal Shutdown

Prerequisites:

Thorough knowledge of chemical / refinery processing, instrumentation, and process equipment.

Suggested Class Size:
Minimum 10
Maximum 18

Course Length:
24 hours (3 days) *
*The training duration is initially set at 24 hours (3 days). However, customization options are available, allowing for a condensed format of 8 hours (1 day) or an extended format of up to 40 hours (5 days) or 80 hours (10 days), tailored to meet specific organizational needs and scheduling preferences.