

Course Overview:

The course starts with the fundamentals of distillation operation and build the skill base needed to develop a command of distillation topics such as configuration selection.

Course Objective:

- Develop a fundamental understanding of distillation operations
- Review thermodynamics, vapor liquid equilibrium, and basic Chemical Engineering principles
- Problem-solving and troubleshooting distillation problems in the real world

Course Outline:

1. Fundamentals of Distillation Operations
2. Separation and material balance split
3. Vapor/liquid equilibrium
4. Efficiency, flooding, and weeping
5. Vapor and liquid dynamics
6. Trays and downcomers
7. Structured packing
8. Types of condensers
9. Types of reboilers
10. General Distillation Systems and Distillation Auxiliary Equipment

Who Should Attend:

All those working in the petrochemical, oil, and gas process industries with a need to understand distillation operations and control. Process engineers and process professionals associated with distillation operations will benefit the most from this training course

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation