



## Batch Operations - SIM-BAO

### COURSE

#### About the Course

This interactive 2-day course combines elements of high fidelity, generic process simulators as well as a student-driven learning model centered around the INSTO™ Methodology. Simulation Solutions 2-Day Courses teach operators how to build a mental model of various processes and stress critical thinking skills for operators that can be brought back to the control room.

In this course, each trainee will have access to their own generic simulators including Mix Tank, pH Control and Batch Reactor. Trainees will have an opportunity to startup each piece of equipment as well as spend time troubleshooting common malfunctions related to the tanks and reactors. Operations that promote both safety as well as optimization are stressed throughout the course. The material of the course is applicable to chemical sites, petrochemical sites, and any other facilities that operate batch reactors.

#### Target Audience

Console Operators, Outside Operators, Console Supervisors, and Young Engineers that work with batch operations

#### You Will Learn

##### MIX TANK

- Operate the Mix Tank as an Outside Operator
- Operate the Mix Tank as a Console Operator
- Improving knowledge of fundamental engineering and operating principles
- Understanding of basic unit operations
- Increasing operator confidence levels
- Improving basic operational skills

##### pH CONTROL

- Operate the pH Control as an Outside Operator
- Operate the pH Control as a Console Operator
- Improving knowledge of fundamental engineering and operating principles
- Understanding of basic unit operations
- Increasing operator confidence levels

- Improving basic operational skills

## BATCH REACTOR

- Operate the Batch Reactor as an Outside Operator
- Operate the Batch Reactor as a Console Operator
- Improve operator's understanding of the system
- Learn how to diagnose problems
- Learn proper start-up techniques

## Course Content

- Startup
- Troubleshooting
- Safety operations
- Optimization operations

Through simulators for:

- Mix Tank
- pH Control
- Batch Reactor

## Product Details

Categories: [Upstream](#)

Disciplines: [Operations & Maintenance](#) [Refining](#)

Levels: [Foundation](#)

Product Type: [Course](#)

Formats Available: [In-Classroom](#)

Instructors: [Donald Glaser](#)