



شركة ميرك العربية السعودية
MEIRC Saudi Arabia

Advance Operation Skill

Duration 5 Days

Course Description

The course covers a wide range of process equipment such as compressors, pumps, boilers, distillation columns, furnaces, heat exchangers, air coolers, fired heaters, vessels, fractionator columns, reactors and ancillary equipment.

Who Should Attend

The course is intended for process operators and technicians. Further, the course is suitable for fresh graduate engineers and experienced engineers who are new comers to the process industry. Furthermore, the course will benefit non-technical managers, contract, marketing and sales staff and management who are working in process plants

Course Objectives

Upon the successful completion of this course, each participant will be able to:

- Apply and gain an advanced knowledge on process equipment operations & troubleshooting
- Discuss process data essential for operation and troubleshooting of process equipment and plant
- Carryout the latest techniques and methods in the operations and troubleshooting of compressors, pumps, boilers, distillation columns, furnaces, heat exchangers, air coolers, fired heaters, vessels, fractionator columns, reactors and ancillary equipment.
- Employ the shortcut methods, rules-of-thumb and example problems on operations and troubleshooting process equipment

Course Outlines:

- Introduction
- Overview of the Processing Industry
- Chemistry of the Processing Industry
- Safety for the Operation and Maintenance Groups
- Pressure Vessels and Reactors
- Storage Tanks
- Piping Systems
- Distillation
- Overpressure Protection
- Process Heaters
- Boilers
- Heat Exchangers
- Pumps
- Compressors
- Electric motors
- Vibration monitoring
- Lubricating oil analysis
- Troubleshooting - Methodology and guidelines