This training program provides practical understanding of key pretreatment processes widely used in reverse osmosis (RO) desalination plants worldwide and focuses on selection, operation, maintenance, monitoring, troubleshooting and optimization of conventional and membrane pretreatment technologies.

TOPICS INCLUDED

- Pretreatment and desalination process overview
- Chemical conditioning of source water
- Sedimentation and dissolved air flotation
- Granular media pressure filtration
- UF and MF membrane filtration
- Cartridge filtration
- Source water quality characterization
- Source water screening
- Source water conditioning
- Sedimentation and dissolved air flotation
- Case studies of full-scale RO plant pretreatment
- Membrane pretreatment filters – an overview
- Comparison of granular media and membrane pretreatment
- Guidelines for selecting RO pretreatment system
- Optimization of chemical use for pretreatment
- Troubleshooting and optimization of DAF systems
- Troubleshooting and optimization of pretreatment filters

WHO SHOULD ATTEND?
Design Engineers, Plant Engineers, Service Technicians, and Plant Managers

PREREQUISITES
Participants should have completed the Foundation Level Water Chemistry Course and the RO Operation, Monitoring & Troubleshooting Level 1 Course or possess adequate relevant work experience

WHAT YOU WILL RECEIVE
28 hours of enjoyable, interesting & easy to understand training
Illustrated text book
Lunch and refreshments
Presentations and group interactive discussions with input & feedback encouraged