

RO PRETREATMENT LEVEL 2

 4 DAY |  CLASS ROOM COURSE

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

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