

RO WATER CHEMISTRY FOUNDATION LEVEL

 4 DAY |  CLASS ROOM COURSE

This course focuses on the basics of water chemistry and how it applies to the RO desalination process. It is the corner stone to understanding water treatment processing in desalination plants and should be taken before progressing to any other course in our syllabus.



TOPICS INCLUDED

- › Atoms (definition & symbols, periodic table, atoms structure, atomic weight)
- › Molecules (definition & symbols, molecular weight)
- › Chemical bonds (ionic bonds, covalent bonds, metallic bonds, polarity, molecular shapes)
- › Charged atoms or molecules (definition, ionic balance)
- › Organics (definition, molecular weight, solubility, fouling)
- › Water properties (molecular shape, polarity, solubility, salinity, saturation index, ionic force, pH, acids & bases, LSI, S&DSI, scaling)
- › Non- living suspended solids (colloids, settleable)
- › Living suspended solids
- › Suspended solids treatment (clarification, coagulation & flocculation, filtration, disinfection)

WHO SHOULD ATTEND?

Newcomers to the water industry with no chemical knowledge or background

Designed to take participants back to basics, this course offers Operators and Technicians an opportunity to review, reinforce and upgrade their knowledge and skills

PREREQUISITES

None

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