

Course Title: **Basic Mathematics for Water Operators**

Contact Hours: 14

CEU Value: 1.4

Course Description:

This course provides participants with an overview of basic math principles related to the water industry.

Areas of study include:

- Fractions
- Scientific notations
- Exponents and roots
- Ratios and proportions
- Basic algebra
- The Metric system and conversions
- Basic geometry
- Areas and volumes
- Velocity and flow rates
- Percent calculations
- Efficiency calculations
- Pumping rates
- Retention times
- Dosage calculations
- Loading calculations
- Density conversions
- Horsepower calculations
- Coagulation and flocculation calculations
- Filter operations calculations
- Settling operations calculations
- CT calculations
- Activated sludge systems calculations