

# Water Quality

## Learning Objectives

Water is an invaluable natural resource. It is used for drinking, irrigating, producing electricity, and producing food. This online course will help you understand what constitutes clean and safe drinking water, characteristics of water quality analysis, regulations that ensure clean and safe drinking water, and types of contamination along with the ways to neutralize contaminants. Additionally, the course will dive into sampling, storage of clean water, and operating procedures needed to protect drinking water.

This course engages students in an evaluation of cross-connection and backflow, including why cross-connection threats are important to identify in water systems and how to prevent backflow in water distribution systems. Students learn to differentiate between various backflow prevention devices. In the second lesson, students are introduced to the concept of unidirectional flushing, including its advantages and importance for water distribution systems. The lesson concludes with a segment on the planning and execution of a unidirectional flushing event.

## Training Methods

*Our training methods that will be applied, are interactive learning through the videos displayed on our website, WaterLMS. Attendees will have to take quizzes and tests, as well as being interactive throughout the whole duration of the course. They can not skip forward, and is required to be active for the duration of the course, being able to get the full experience out of our courses and prepare them for the real duties they will encounter.*

*Courses can be taken in a learning plan, all together or be taken individually.*

## Course Content

- Water Quality
- Water Quality - Final Exam
- General Course Survey

## Course Outline

|                  |             |
|------------------|-------------|
| 1. Water Quality | 2 hrs       |
| Self- Paced      | Total 2 hrs |

## Student Assessment

*Upon class completion, students will be tested using an open question & answer session, to ensure there is a general understanding of the materials presented during the course.*

**Instructor Bio:**

*Is strictly online, so no instructor is needed.*

***Please reach out if you have any questions, or is wanting to take the course yourself, to provide a better understanding of the ones we provide.***