

# Water Transmission and Distribution II

## Course Overview

This course is designed to provide an advanced understanding of Water Transmission and Distribution, system maintenance and inspection, and the safety of the public water supply. Course material consists of reading assignments, video lectures, review questions, study problems and lesson quizzes.

Course completion requires that the student successfully complete each component of each individual lesson. Review questions and written assignments must be submitted either online or uploaded in a Word document for the professor's review. Lesson quizzes have a minimum passing score of 70%.

Upon successful completion of the course requirements, students will receive a certificate of completion for 4.9 CEUs (49 contact hours) for the Water Transmission and Distribution II course, which is applicable toward a Certificate in Water Treatment Technology from American Water College.

## Required Texts

Textbook: Water Distribution Operator Training Handbook

Edition: Fourth Edition

Authors: William C. Lauer

ISBN: 978-1-58321-954-6

Textbook: Water Treatment Operator Training Handbook

Edition: Third Edition

Authors: Nicholas Pizzi and William C. Lauer

ISBN: 978-1-58321-861-7

## Educational Objectives

- To acquaint students with water metering, meter testing, maintenance and repair, and meter reading
- To provide students with a foundational knowledge of backflow prevention and the reasons for cross-connection control
- To acquaint students with water mains, installation and safety
- To provide students with a foundational knowledge information management and record-keeping responsibilities
- To acquaint students with threats to the public water supply, vulnerabilities in the public water supply, and emergency response plans