

# Electricity for the Water Industry

## Course Overview

This course is designed to acquaint students with the electric terms, measurements and equipment used in water treatment, storage and distribution. 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 the *Electricity for the Water Industry* course, which is applicable toward a Certificate in Water Treatment Technology from American Water College.

## **Required Texts**

Textbook: *Basic Science Concepts and Applications, Principles and Practices of Water Supply Operations* series

Edition: Fourth Edition

Author: Nicholas G. Pizzi

ISBN: 1-58321-778-9

Workbook: *Basic Science Concepts and Applications Student Workbook, Principles and Practices of Water Supply Operations* series

Edition: Fourth Edition

ISBN: 1-58321-799-1

## **Educational Objectives**

- To provide students with an overview of electricity, magnetism and electrical measurements used in the water industry
- To provide students with the proper electrical quantities and terms used in the water industry
- To demonstrate the functions and the applicable ratings of electrical equipment used in the water industry