

# WATER DISTRIBUTION OPERATIONS CERTIFICATE OF SPECIALIZATION

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## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Water Distribution System Operations-3
  - Identify drinking water public health hazards and water quality standards common to the industry.
- Water Distribution System Operations-4
  - Using calculations and conversions, determine water flow, pressure, volume, velocity and force, and chemical dosage used in water distribution systems.
- Water Distribution System Operations-6
  - Explain principles of pump operation for the types of pumps used in water distribution systems including common problems, necessary adjustments, and typical packing gland problems.

## Certificate Requirements

Code	Title	Units
CWS-106	Electrical & Instrumentation Processes	3
CWS-130	Water Distribution Systems	3
CWS-134	Pumps, Motors & Valves	3
Total Units		9

## Certificate of Specialization

Students who complete the requirements above qualify for a certificate in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.