

CERTIFICATION

WQA - Water Quality Analyst

[4 DAYS INSTRUCTION + 1 DAY EXAM]

COURSE OVERVIEW

The water quality analyst course is intended for water laboratory technicians. Topics in the course include: science, microbiology, apparatus, safety, chlorine residuals, collections of samples, quality assurance and control, calibration, alkalinity, conductivity, hardness, dissolved solids, reagents, suspended solids, odour, math calculations, and Ontario regulations.

COURSE OUTLINE

🔵 Introduction: need-to-know, conversion factors, equivalent measurements 🔵 Regulations 🔵 Water Treatment: water characteristics, treatment processes, waterborne diseases 🔵 Lab Equipment: apparatus and use of glassware 🔵 General Science Concepts: density and specific gravity, pressure and head, structure of matter, basic water chemistry 🔵 Water Quality Analysis: chlorine, turbidity, pH, alkalinity, chlorine residual, hardness, colour, taste and odour, fluoride, accuracy and precision, solids (dissolved), dissolved oxygen, conductivity 🔵 Water Treatment Math: formulae and conversions, dosage calculations 🔵 Microbiology: quality control and sampling 🔵 Lab Safety

PREREQUISITE

None.

TARGET AUDIENCE

Water utility field staff, water utility construction inspectors, and water system design personnel.

**DOWNLOAD THE KCE
REGISTRATION FORM AND
THE MOE EXAM FORM
FROM OUR HOMEPAGE.**

LOCATION

209-100 Casimir Ave.
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E-MAIL

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WEB SITE

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COURSE DURATION

4 days + 1 exam day

TIME

8:30 am to 4:30 pm

DIRECTOR APPROVED CEUs

2.6

TRAINER

TBA

COST

\$1000.00 + \$130.00 HST =
\$1130.00

