



**4 days
\$300.00**

Course #120

Laboratory Essentials

This course is a hand-on approach that combines laboratory and lecture. The student will learn proper sampling techniques and basic skills needed to utilize laboratory equipment. A student study guide will be provided at the beginning of class. Please wear proper attire when working in the lab. Refrain from wearing shorts, sandals, or open-toed shoes.

It is intended for individuals who are currently working toward obtaining a certification in wastewater or water treatment and for certified wastewater or water treatment operators who want to have a better understanding of basic laboratory procedures and equipment.

General Topics

- ▶ Lab Safety
- ▶ Laboratory Basics
- ▶ Sampling Techniques
- ▶ Pipetting
- ▶ Proper Measuring Techniques
- ▶ Solution Preparation

Operating Experience

Grades 1, 2, or 3 water or wastewater: three (3) months

Grade 4 water or wastewater:
four (4) months

Continuing Education

Grades 1 or 2 water or wastewater, SWS, BNS:
six (6) hours

Grades 3 or 4 water or wastewater:
twelve (12) hours

Board Sanctioned Training: 30 hours