



Environmental & Industrial Safety/Water & Wastewater Certification

Basic Wastewater Training ETCT-4100

This entry-level, comprehensive course will present the basics of wastewater sources, characteristics, operations, and regulations. The topics covered include biological treatment principles, wastewater math, and overview of the operation of preliminary, primary, and secondary treatment operations. This course and six months' experience satisfy the eligibility requirements needed to take the state Wastewater Treatment Plant Operator Grade I Exam. This is also a good review course for those preparing to take the Wastewater Treatment Plant Operator Grade II Exam.

Ready to learn more? Complete our information form at www.kirkwood.edu/ce_certificatesform or contact a student advisor today at ceadvising@kirkwood.edu or 319-398-5529.

Course List:

NA

Delivery Method:

Classroom

Length of Program and CEU Credits:

30 hours, 3.0 CEUs

Entrance Requirements/Prerequisites:

None

Other Items to Know About this Course:

None

Program Completion Requirements:

This is a pass/fail certificate. Students must attend all four days of training in order to complete the program.

Industry Credentials Earned:

Completion of this course, plus six months of experience, will qualify the student to take the State Certification test in Iowa to become a Wastewater Treatment Plant Operator Grade I.

Pathway to Credit Program:

None

Tuition Assistance:

No

Course Objectives:

- Describe procedures associated with monitoring, evaluating, and adjusting wastewater treatment processes.
- Perform basic laboratory analysis procedures.
- Review and describe how untreated wastewater can enter drinking water supplies.
- Understand the wastewater regulations and their impact on the SDWA.
- Be able to solve basic and intermediate math problems associated with wastewater treatment.
- Describe the practical aspects of plant operations and perform basic operational and maintenance procedures on equipment.
- Operate equipment, including hydraulics, pumps, valves, etc.
- Perform safety, security, and administrative procedures.

Learning Outcomes:

Upon successful completion of the program, students will have a better understanding of how wastewater treatment processes work and can help operate and maintain a wastewater treatment facility. Completing this course will also prepare those who are planning on taking the Grade I Wastewater Treatment Operator Exam in the state of Iowa.

Careers:

Source: *Career Coach 2018, Kirkwood Community College region.*

Water and Wastewater Treatment Plant and System Operators

Average hourly earnings: \$24.74

Starting hourly earnings: \$15.96

Projected job openings (2018 – 2023): 83

Related Information:

www.bls.gov/ooh/production/water-and-wastewater-treatment-plant-and-system-operators.htm

LEARN MORE

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Continuing Education
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