

WATER QUALITY TREATMENT (WQT)

WQT226 Wastewater Treatment I - Liquids 3 credits (3 lec hrs/wk)

This course is the first in the series on the fundamentals of wastewater treatment, with focus on liquid treatment. Course will help students prepare for the Level I Wastewater Treatment Operator Certification exam. This course may be taken 1 time for credit.

Course classification: CTE

WQT227 Wastewater Treatment II - Solids 3 credits (3 lec hrs/wk)

Prerequisite(s): (WQT226)

This course is the second in the series on the fundamentals of wastewater treatment, focusing on solids handling and support systems. Course content will help students prepare for the Level I Wastewater Treatment Operator Certification exam.

This course may be taken 1 time for credit.

Course classification: CTE

WQT228 Wastewater Collection Systems 3 credits (3 lec hrs/wk)

Course introduces the basics of wastewater and storm water collection systems. Primary focus will be pipe sizing, general system components, installation, inspection, operation and maintenance techniques.

Elementary street construction and inspections are also studied in conjunction with storm drainage. Field trips may be made to existing facilities and work under construction. Course prepares students for Wastewater Collection Systems Operator Level I State examination.

This course may be taken 1 time for credit.

Course classification: CTE

WQT260 Water Treatment 3 credits (3 lec hrs/wk)

Covers the fundamentals of water treatment facilities, including operation and maintenance of facilities. Prepares students for Water Treatment Operator Level I State examination.

This course may be taken 1 time for credit.

Course classification: CTE

WQT261 Water Distribution 4 credits (4 lec hrs/wk)

This course covers the fundamentals of operation and maintenance of water distribution systems. The fundamental properties of fluid flows and pressures in a closed system are addressed, in general. Course is designed to prepare students for the Grade I Water Distribution Operator examination.

This course may be taken 1 time for credit.

Course classification: CTE

WQT280 CWE: Water Quality Treatment 1-12 credits

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 24 times for credit.

Course classification: CTE