

WATER/WASTEWATER QUALITY (WQT)

WQT 226: Wastewater Treatment I Liquid (3)

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.

Registration-Enforced Prerequisite: MTH 052 or higher.

Terms Typically Offered: Fall

WQT 227: Wastewater Treatment II Solids (3)

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.

Registration-Enforced Prerequisite: WQT 226.

Terms Typically Offered: Winter

WQT 228: Wastewater Collection (3)

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.

Registration-Enforced Prerequisite: MTH 052 or higher.

Terms Typically Offered: Winter

WQT 260: Water Treatment (3)

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

Registration-Enforced Prerequisite: MTH 052 or higher.

Terms Typically Offered: Spring

WQT 261: Water Distribution (3)

This course covers applied fluid mechanics for pressure system and operation and maintenance of water distribution systems. The fundamental properties of fluids, hydrostatic pressure, fluid flow and energy distribution are covered for closed systems. The solution of practical, applied problems is emphasized. Operators and engineering technicians learn to analyze and solve problems when they occur and perform mathematical calculations associated with operating a distribution system.

Registration-Enforced Prerequisite: MTH 052 or Higher.

Terms Typically Offered: Fall

WQT 280: CWE-Water Quality Treatment (1-13)

Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year, except for students taking Occupational Skills Training (OST), which has a limit of 24 credits per year.

Registration-Enforced Prerequisite: Instructor approval.

Terms Typically Offered: Fall, Winter, Spring, Summer