

CLEAN WATER MANAGEMENT CERTIFICATE

Program code: CWTR-CC

Location: Gateway

Program Description

The Clean Water Management Certificate will train students to meet the skill and knowledge specifications required by higher level water pollution control facility operators in one of the more than 100 public and private plants in the state following the guidelines of the CT Department of Energy and Environmental Protection (DEEP). The program will provide classroom and laboratory-based academic preparation for the Class I, II, III and IV Wastewater Treatment Plant Operator certification examinations administered by the DEP. Specialized wastewater courses may be offered at local municipal wastewater treatment plants.

Learning Outcomes

1. Working knowledge of wastewater treatment operations including preliminary, primary, secondary, tertiary, nutrient removal and disinfection treatment, as well as the handling and disposal of sludge/biosolids
2. Working knowledge of the levels of treatment necessary to protect aquatic life and human health in Long Island Sound and other Connecticut surface waters and groundwaters
3. Working knowledge of the laboratory test methods necessary to ensure the proper operation of wastewater treatment plants, protect surface and groundwater quality, as well as human health, and meet all state and federal regulatory and permit requirements
4. Knowledge to become eligible to take and pass the Class I, II, III or IV Connecticut DEP Wastewater Treatment Plant Operator Certification Examinations

Certificate Requirements

Code	Title	Credits
CWM 1006	Introduction to Utility Management	3
CWM 1008	Clean Water Chemistry, Biology and Math	4
CWM 1011 or CWM 1012	Clean Water I Clean Water II	3
CWM 1012 or CWM 1013	Clean Water II Clean Water III	3
ENV 1100	Environmental Regulations	3
Biology Elective		4
Elective CWM/ENV/EVS/WMT		3
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Total Credits		26