

# CLEAN WATER MANAGEMENT (CWM)

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**CWM 1006 Introduction to Utility Management (3 Credits)**

Introduces areas of natural gas, electric, drinking water and wastewater management including organization, planning, public relations, customer service, finances, environmental health and safety, security, operations and maintenance, human resources, information system and services, legal issues, support services, competition, continual improvement management and crisis communication.

Previous: Legacy Equivalent(s): CWM\* 106

**CWM 1008 Clean Water Chemistry, Biology and Math (4 Credits)**

Provides the Biology, Chemistry and Mathematics knowledge necessary to succeed in subsequent courses covering the operation and maintenance of municipal wastewater facilities. Emphasis is placed on application to municipal wastewater facilities with a goal of preparing students to successfully pass Class I, II, III and IV Wastewater Operator Certification Examinations administered by the Connecticut Department of Energy and Environmental Protection.

Previous: Legacy Equivalent(s): CWM\* 108

**CWM 1011 Clean Water I (3 Credits)**

Introduces the safe and effective operation of wastewater treatment plants including preliminary, primary, and secondary treatment and disinfection.

Previous: Legacy Equivalent(s): CWM\* 110

**CWM 1012 Clean Water II (3 Credits)**

Introduces the safe and effective operation of wastewater treatment plants including security, surface and groundwater quality standards, sludge/biosolids handling, effluent disposal, biological processes and cycles, plant safety and maintenance, pumps, laboratory testing of wastewater and permits, records and reports.

Prerequisites: CWM 1011, DEP Class 1 License OR Permission of Instructor

*Additional fees may apply*

Previous: Legacy Equivalent(s): CWM\* 112

**CWM 1013 Clean Water III (3 Credits)**

Introduces the safe and effective operation of wastewater treatment plants including odor control, nitrogen and phosphorous removal, wastewater reclamation and recycling, instrumentation and residual solids management.

Prerequisites: CWM 1012, DEP Class 2 License OR permission of instructor

*Additional fees may apply*

Previous: Legacy Equivalent(s): CWM\* 114