

## Environmental Water Technologies

### Certificate A

Must Complete Two of The Eight Areas of Concentration			
Required Courses: 26 Credit Hours			
Course ID	Course Title	Credit Hours	Notes
<b>I. Water Plant Operation (Water Treatment Plant Operator – WTPO)</b>			
EWT 1013	Operation & Maintenance of Water Treatment Plants	3	Fall/Spring
EWT 1022	Hydraulics WTPO	2	Fall/Spring
EWT 1032	Laboratory Methods for WTPO	2	Fall/Spring
EWT 1046	Occupational Experience for WTPO	6	Fall/Spring
<b>II. Utilities Management</b>			
EWT 1053	Utility Organization and Administration	3	Fall/Spring
EWT 1062	Principals of Utility Financing	2	Fall/Spring
EWT 1072	Utility Management Skill Development	2	Fall/Spring
EWT 1086	Occupational Experience- Utilities Management	3	Fall/Spring
<b>III. Water Distribution System Operation &amp; Maintenance</b>			
EWT 1113	Operation & Maintenance of Water Distribution Systems	3	Fall/Spring
EWT 1122	Hydraulics of Water Distribution Systems	2	Fall/Spring
EWT 1132	Distribution Hydraulic Pumping Control	2	Fall/Spring
EWT 1146	Occupational Experience for Water Distribution System	6	Fall/Spring
<b>IV. Wastewater Collection System Operation &amp; Maintenance</b>			
EWT 1413	Wastewater Collection System Operation & Maintenance	3	Fall/Spring
EWT 1422	Hydraulics of Collection Systems	2	Fall/Spring
EWT 1432	Collection System Administration	2	Fall/Spring
EWT 1446	Occupational Experience for Wastewater Collection System Operations	6	Fall/Spring
<b>V. Wastewater Plan Operation (WWTPO)</b>			
EWT 2013	Operation & Maintenance of Waste Water Plants	3	Fall/Spring
EWT 2022	Physics for WWTPO	2	Fall/Spring
EWT 2032	Laboratory Methods for WWTPO	2	Fall/Spring
EWT 2046	Occupational Experience for WWTPO	6	Fall/Spring
<b>VI. Utilities Maintenance</b>			
EWT 2053	Pump & Pumping Systems	3	Fall/Spring

EWT 2062	General Maintenance process	2	Fall/Spring
EWT 2072	General Maintenance Theory	2	Fall/Spring
EWT 2086	Occupational Experience for Maintenance Personnel	6	Fall/Spring
<b>VII. Advanced Water Treatment Plan Operator</b>			
EWT 1213	Advanced Operation & Maintenance of WTPO	3	Fall/Spring
EWT 1222	Advanced Lab Methods for WTPO	2	Fall/Spring
EWT 1232	Advanced Hydraulics Water Treatment Plant Operators	2	Fall/Spring
EWT 1246	Advanced Occupational Experience for WTPO	6	Fall/Spring
<b>VIII. Advance Wastewater</b>			
EWT 2113	Advanced WW Plant Operations	3	Fall/Spring
EWT 2122	Advanced Math for WWTPPO	2	Fall/Spring
EWT 2132	Chem & Bio Proc WWTPPO	2	Fall/Spring
EWT 2146	Field Study for WWTPPO	6	Fall/Spring

### Environmental Technologies Certificate - Semester Plan

First Semester	
Course	Credits
EWT _____	3
EWT _____	2
EWT _____	2
EWT _____	6
<b>Total</b>	<b>13</b>

Second Semester	
Course	Credits
EWT _____	3
EWT _____	2
EWT _____	2
EWT _____	6
<b>Total</b>	<b>13</b>