

Water Technology Assessment Plan Rev. 11/16/2019

Water Technology	16-17	17-18	18-19	19-20	20-21	21-22
<b>WTRTB51 - Basic Water Treatment</b>						
• Upon completion of the course, the student will be able to Explain the need for water purification					P	
• Upon completion the student will be able to: Explain the role and responsibilities of a water treatment plant operator					P	
• Upon completion the student will be able to: Explain the regulations governing water quality					P	
• Upon completion the student will be able to: Perform basic mathematical functions related to water treatment.						P
• Upon completion the student will be able to: Identify techniques used to protect public drinking water						P
• Upon completion the student will be able to: Be able to explain, perform and interpret laboratory test procedures for chlorine residual, hardness, taste and odor						P
• Upon completion the student will be able to: Be able to describe the process of Disinfecting water						P
<b>WTRTB52 - Basic Water Distribution</b>						
• Upon completion of the course, the student will be able to identify water quality parameters addressed in drinking water regulations.					P	
• Upon completion the student will be able to: Interpret state drinking water regulations.					P	
• Upon completion the student will be able to: Identify connections between drinking water regulations and operation and maintenance of a public water system.					P	
• Upon completion the student will be able to: Identify aspects of water hydrology that influence water supplies.						P
• Upon completion the student will be able to: Identify techniques used to protect public water supplies.						P
• Upon completion the student will be able to: Recognize equipment used during operation and maintenance of a water distribution system.						P
• Upon completion the student will be able to: Understand and be able to perform basic water related mathematical problems.						P
<b>WTRTB53 - Water &amp; Wastewater Analysis</b>						
• 1. Upon completion the student will be able to demonstrate technical subject knowledge through participation in class discussion, demonstration, written examinations and reports pertaining to water quality standards.					P	
• 2. Upon completion the student will be able to demonstrate the ability to interpret basic water and waste water test results.					P	
• 3. Upon completion the student will be able to: The student will demonstrate knowledge of common water treatment problems.						P
• 4. Upon completion the student will be able to perform calculations pertaining to the presentation of water test results.						P