Water & Wastewater Technology

This one-year online certification program offered from the National Energy Center of Excellence at Bismarck State College was established in 2012. This program is designed to teach students how to apply biological, chemical and mechanical knowledge and skills to the operation of water and wastewater treatment facilities. Industry-approved and endorsed by the North Dakota Rural Water Association, this curriculum provides cutting-edge training to help fulfill the need for skilled operators.
The Water and Wastewater Technology program is designed for entry-level employment in water and wastewater treatment plants of all types; city and rural utilities, power plants, process and other industrial facilities. Students that enroll in this training program will participate in online training for two semesters allowing them to enter the workforce within one year. High quality graphics, animations and virtual treatment processes and equipment are utilized within this program to enhance the delivery of course content.

The program focuses on treatment processes and equipment including training on laboratory analyses and regulatory compliance. Responsibilities of water and wastewater treatment operators regarding the safety of communities, personnel and the environment will also be emphasized.

*In addition to coursework students will complete an internship/job shadow experience at a water treatment facility or hands-on lab activities at BSC's National Energy Center of Excellence. This experience will require students to observe and assist in the daily operations of a functional water or wastewater treatment facility. The "hands on training" is expected to include lab testing, process checks, basic problem-solving and routine maintenance activities.

For more information on the Water and Wastewater Technology program, visit our website at bismarckstate.edu/energy. Contact us at 701.224.5651 or 800.852.5685.