

CAREER STUDIES CERTIFICATE (221-828-72)

Water and Wastewater Technology

Purpose: This curriculum is designed to prepare students to become water or wastewater plant operators in municipal and industrial treatment facilities and laboratories.

Program Objectives: Coursework in this program academically prepares students to sit for the state certification exam required for a water or wastewater operator’s license. There are minimum educational and experience requirements depending on the various licensure levels. All levels require a high school or GED diploma, training, and on-the-job experience.

Operators must pass an examination certifying that they are capable of overseeing water/wastewater plant operations. There are different levels of certification, depending on the operator’s experience and training. Both Water and Wastewater operators are licensed by experience and education by the Virginia Board for Waterworks and Wastewater Works Operators through the Virginia Department of Professional and Occupational Regulation (DPOR).

Admission Requirements: Applicants must meet the requirements for admission to credit-level coursework established by the college.

CURRICULUM AND OTHER REQUIREMENTS **CREDITS**
GENERAL EDUCATION CORE COURSES

PSY 120Human Relations3

WATER AND WASTE WATER TECHNOLOGY AND RELATED COURSES

ENV 110Introduction to Water and Wastewater Treatment Technology3

ENV 115* Water Purification3

ENV 148..... Math for Water/Wastewater Operations....3

ENV 149 Wastewater Treatment Plant Operations .3

SAF 127 Industrial Safety2

Total Minimum Credits for Certificate 17

**This course has a requisite. Requisites for all courses are listed in the course description section at the back of the catalog.*

SUGGESTED SCHEDULE

FALL	SPRING
ENV 110	ENV 115
ENV 148	ENV 149
SAF 127	PSY 120

Note: Additional courses may be offered for DPOR Water and Wastewater Licensure.