

Somerset County Vo-Tech Program Overview

Plumbing Technology



Employment for plumbers, pipefitters, and steamfitters is projected to grow 5% in the next 10 years. Employers have reported difficulty in finding qualified workers. In NJ, journeyman plumbers earn \$52.00 per hour; general foreman earn \$62.00 per hour. Experienced master plumbers can make over \$100,000 per year.

(Sources: United States Bureau of Labor Statistics,
UA Local 24 Wage Guide)

The Plumbing Technology Program provides students with instruction in aspects of plumbing including fresh and wastewater plumbing as well as natural gas and HVAC. Students will learn to work safely in both a residential and an industrial setting. Successful students will also have the opportunity to gain real world experience through the school's cooperative education program.

Curriculum:

Year 1: Introduction to building trades, safety, plumbing history, plumbing tools, plumbing careers

Year 2: Proper tool care and maintenance, choosing correct tools and materials for a job, copper, steel, cast iron piping

Year 3: Potable water, sanitary drainage & waste, storm drainage, water heaters, kitchens and appliances, basic HVAC

Year 4: Repair work, boilers, National Standard Plumbing Code, advanced HVAC, cooperative education opportunities

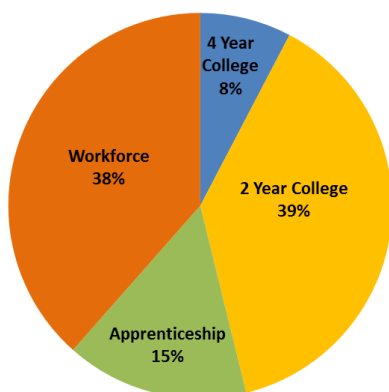
Classes meet for 3 periods/2 hours per day, 5 days a week

Average number of new students accepted per year: 6

Opportunity for professional certifications: YES – CSST, OSHA 10

Opportunity to earn college credits: NO* - Students receive 1 year of education credit and 1 year of field work credit towards a plumbing apprenticeship program.

**Student Post Secondary Plan at Graduation
Plumbing Technologies Program**



Future Careers

Boiler Operator
Construction Worker
Contractor
HVAC Technician
Hydrologist
Pipefitter
Plumbing Inspector
Plumber
Natural Gas Service Technician
Sprinkler Technician
Utility Worker

Recent Student Post-Secondary Destinations

Ralph Malfatone and Sons Inc.
Sherman Smith Plumbing Heating Air
Keys Plumbing
Raritan Valley Community College
Skylands Energy Service
Union of Plumbers Local 24

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SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel by providing educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms.

SCVTHS students have the opportunity to compete for state and national recognition in the annual SkillsUSA competitions

Recent Awards

2017, 2018, 2021
2019, 2021
2021

Bronze Medal
Silver Medal
Gold Medal

NJ State Plumbing Competition
NJ State Plumbing Competition
National Teamworks Competition



All Somerset County Vocational & Technical School programs are supported by a community advisory panel. The Plumbing Technology advisory panel members include:

Ralph Chapell	Plumbers Union Local 24
Deb Zeckman	Lowes
John Sneyers	Educational Solutions
Howard Miller	Altherm, Inc.
Grant Herring	F.W. Webb Supply
James Kerr	Sunrise Heating and Cooling
Joe Schimph	Plumbers Union Local 24
Ryan Zaborowski	F.W. Webb
Vince Arnese	American Standard Water Technology

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