

Somerset County Vo-Tech Program Overview

Welding



The median annual pay for welding professionals ranges from \$44,190 to \$67,500. Experienced, expert welders can make well over \$100,000 per year.

(Source: United States Bureau of Labor Statistics)

The Welding program instructs students in multiple different welding types and techniques. Students also learn how to approach a welding job from estimating the time and cost of a job to designing the process that will be used to accomplish the work. Fourth year students have the opportunity to learn advanced techniques in class or to begin their career via work/study programs. Membership and certifications are available through the American Welding Society.

Curriculum:

Year 1: AWS safety, basic skills, history of welding, shield metal arc welding (SMAW), oxy-acetylene, gas metal arc welding (GMAW)

Year 2: Vertical up welding, overhead welding, GTAW (TIG) welding, aluminum, carbon steel, stainless steel

Year 3: Job/Career possibilities, intermediate fabrication, thin materials, pipe welding

Year 4: Repair work, mass production techniques, 3G, 5G, 6G welding, cast iron welding, oxy-fuel brazing

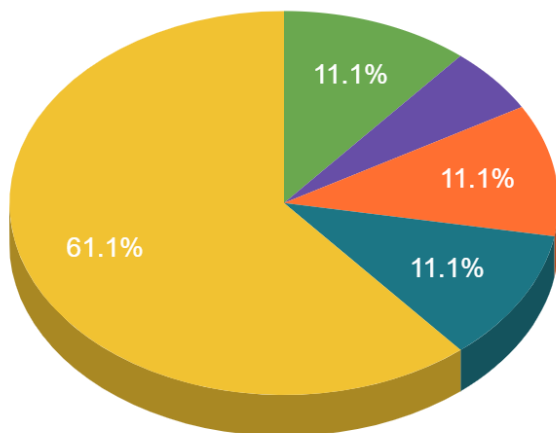
Classes meet for 3 periods/2 hours per day, 5 days a week

Average number of new students accepted per year: 17

Opportunity for professional certifications: YES

Opportunity to earn college credits: NO

Welding Student Plans at Graduation



● Community College
 ● 4 Year School
 ● Military Service
● Technical/Trade School
 ● Workforce

Future Industries/Careers

- Construction Industry
- Inspector
- Ironworker
- Manufacturing Industry
- Military Engineer (SEABEES/Army Corps of Engineers)
- Metallurgist
- Research Engineer
- Robotics Industry

Recent Student Post-Secondary Destinations

- Drivers Academy International
- Ironworkers Local 11
- Monmouth College
- Pipefitters Local 475
- Pennsylvania College of Technology
- Raritan Valley Community College
- Rowan University
- Sheet Metal Workers Local 25 & 22
- United States Army
- United States Navy
- United States Marines

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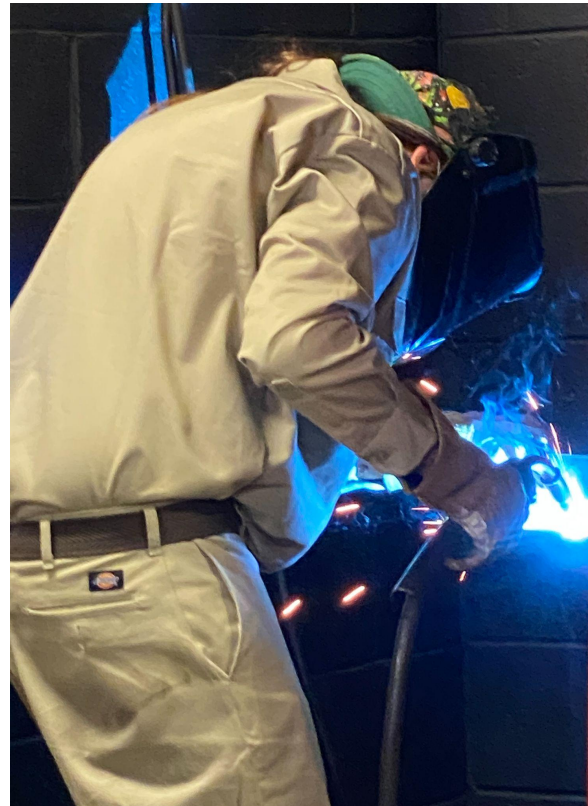


SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel by providing educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms.

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

Recent Awards

- 2017 Silver Medal NJ State Welding Competition
- 2021 Silver Medal NJ State Welding Competition



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

- | | |
|-------------------|--|
| Murray Vince | AGL Welding Supply |
| Ken Stockton | PSE&G, Chairman American Welding Society |
| Jim Dolan | Dolan Associates |
| Al Fleury | TempilStick Corp. |
| Charles Domingues | Komline-Sanderson |
| Scott Maslow | Ironworkers Local 11 |

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