

Career Opportunities

Becoming a welder offers individuals high wage careers in literally hundreds of different industries. This program allows you the freedom to explore different careers locally, as well as globally.

- Aerospace
- Agriculture
- Automotive manufacture and repair
- Chemical processing
- Construction
- General manufacturing
- Oil and gas extraction
- Plumbing and pipe welding
- Underwater welding

Affiliated jobs within those industries include:

- Inspection
- Education
- Post-secondary administrator, professor or associate professor; secondary administrator or welding teacher
- Technical Sales
- Distributor owner, manufacturer sales rep, distributor of outside or counter sales
- Artistic Welding
- Metal sculpture, garden furniture, decorative ironwork in gates, window grilles and balconies



Welding Program is one of the many programs offered through the Career & Technical Education Center at Sullivan County BOCES.

Career & Tech prepares students to be college and career ready. Students leave the program with the skills necessary for success in post-secondary education, the work force, apprenticeships, or the military.

Students have the opportunity to earn up to seven high school credits towards graduation, while meeting industry standards and learning the job skills essential for a specific career or trade.

All of our SED approved programs include articulation agreements with colleges and trade schools. Therefore, students can earn college credit toward an associate or bachelor degree, while they are in high school.

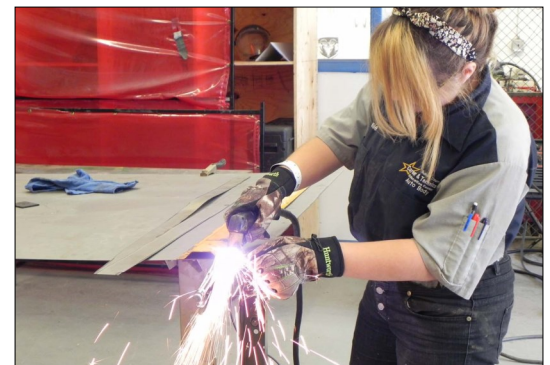


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Career & Technical Education

Welding



(845) 295-4152 / scbores.org

Create Your Future ... Exciting Careers & Great Wages



About the Program

The **Welding Program** introduces students to the basics of welding principles. Students will learn welding safety and theory, metal preparation, measuring, cutting, project layout, blue print reading, in addition to basic metal fabrication.

This hands-on class will give the students the opportunity to learn the different types of welding oxyfuel, gas/metal arc welding, basic TIG welding, shielded metal arc welding, and plasma cutting.

Skills that make a good welder:

- Good manual dexterity
- Excellent hand-eye coordination
- An inquisitive mind to design and build a variety of products
- An open-minded approach to learning new skills and techniques
- Good communication skills
- The ability to “think outside the box” in solving problems

Industry Trends

The arc welding segment of the industry seems to be growing the fastest with recent years showing maximum growth. The growth of the welding industry has been approximately 6% per year. Conventional electric arc welding equipment and filler metals represent over two-thirds of this total. Each segment of the industry and each welding process has its own growth patterns.

Welding is the universally accepted method of permanently joining all metals. In some respects, it might be considered a mature industry, but it is still a growing industry. The true impact of welding on the metalworking industry should be measured in the value of the parts produced by welding, the amount of money saved by the use of welding over other metal fabrication processes, and in the value of products made possible by welding.



Student Benefits

- Hands-on training with state-of-the-art technology
- Career and Technical Endorsement on the Regents diploma
- A portfolio and resume that will impress colleges and employers
- Membership in the SkillsUSA Club

According to the NYS Department of Labor
September 2017 Report, the industry has
(within a 300 mile radius of Liberty)

13,016 jobs available
in industries that utilize welders