

WELDING TECHNOLOGIES



Share Time Program for High School Junior and Seniors

The Welding Technologies program exposes students to the essential concepts and principles of welding and fabrication. Students learn the knowledge and skills required to perform the functions of a welder, including mig, tig, and stick welding processes, print interpretation, thermal cutting processes, hydraulic metal shear, and metric and standard measurements. After completion, students have the opportunity to advance their studies and pursue apprenticeship through participation in Morris County Vocational School District's continuing education program.

PROGRAM OVERVIEW

- Tool and Shop Safety
- Gas Metal Arc Welding (MIG)
- Flux Core Metal Arc Welding
- Shielded Metal Arc Welding
- Fillet and Open Groove Welds
- Gas Tungsten Arc Welding (TIG)
- Air Carbon Arc Cutting
- Plasma Arc Cutting
- Manual and Powered Cutting
- Print and Drawing Interpretations
- Oxy/Fuel Cutting System
- Operation of Welding Tools and Equipment
- Fabrication
- OSHA 10 Training and Certification
- American Welding Society Student Chapter
- Applied Math Concepts
- Applied Science Concepts
- **HIGH SCHOOL CREDITS EARNED:**
 - Career and Technical Education Program = 20 Credits
- **Students who meet the NOCTI criteria may earn college credits.**

Students will be required to:

- Read and comprehend information on the high school level
- Use metric and standard measurements
- Initiate tasks independently based on curriculum
- Follow multi-step directions
- Work in accordance with safety procedures when using flammable and/or potentially dangerous materials

STUDENTS WHO COMPLETED THE WELDING TECHNOLOGIES PROGRAM

pursued post-secondary education and/or employment as welders, pipefitters, machinists, and fabricators.

ALL INQUIRIES PERTAINING TO PRE-ADMISSION SHOULD BE SUBMITTED TO
Gina DiDomenico, Student Recruitment and Community Relations
Email: didomenicog@mcvts.org Phone: 973-627-4600 ext.277