



Imagine...

Building the next
skyscraper in Charleston!



Welding Technology

Would you like to fuse extreme heat with your artistic imagination to build a New York skyscraper or West Virginia's next New River Gorge Bridge? If so, let the sparks fly with the Welding Technology Program at BCTC! Skilled technicians are required now and in the future. This program equips students with in-depth training in multiple welding techniques, preparing them for certification in this high-demand career sector. Our highly trained instructors and applied classroom setting combined with NCCER accreditation can help you create your next masterpiece! So strike while the iron is hot!

WORK SKILLS ▶▶▶

- Independent
- Creative
- Focused
- Coordinated
- Follow Written And Verbal Instructions
- Measure Angles And Lengths
- Ability to Hold And Control Tools
- Team Player

WHAT DOES IT TAKE?

A problem-solver that is ready to work alone or with a team, hoping to create the "next-big-thing." Also, someone with basic math and reading skills, measurement abilities, and strong hand-eye coordination that can create something on paper and build it in real life.

WORK/ENVIRONMENT CONSIDERATIONS

Physically (standing, bending, lifting) and artistically demanding. The need for strong hand-eye coordination in hot, cold, and dead-line driven environments. Surrounded by excessive noise and dangerous materials. (Must have driver's license for employment).

WHAT WILL I LEARN?

Blueprint reading, SMAW, GMAW, and FCAW, Plasma Cutting, Oxy-Fuel Cutting, Oxy-Fuel Welding and Air Carbon Arc Grouping.

WHAT WILL I DO?


For the first three semesters, students work on individual welding projects assigned by the instructor.


Take the first step
and contact us today!



Boone Career and
Technical Center
Your Goals. Our Mission.

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Foster, West Virginia 25081

 304-369-4585

 304-369-3692

Go BCTC.com

Creating Quality Futures

Career Pathway Entry Level (High School)

SCHOOL	CERTIFICATIONS AND OPTIONS	CAREERS
Boone Career and Technical Center	<ul style="list-style-type: none"> ▶ Ox-Fuel Welding and Cutting ▶ SMAW Shield Metal ▶ ARC Welding ▶ GMAW Gas Metal ARC Welding ▶ GTAW (TIG) Welding ▶ FCAW Flux-Core ARC Welding 	<ul style="list-style-type: none"> ▶ Welder/Cutter ▶ Aviation Welder ▶ Construction Welder ▶ Production Welder ▶ Tack Welder ▶ Soldering Machine Operator ▶ Spot Welder ▶ Demolition Welder ▶ Military/Enlisted Welder

Technical Level (Certificates and State-Approved Certifications)

SCHOOL	MAJORS	CAREERS
Boone Career and Technical Center	<ul style="list-style-type: none"> ▶ Welding Technology ▶ Mechanical Engineering Technology ▶ Civil Engineering Technology ▶ Manufacturing Technology ▶ Non-destructive Testing ▶ Welding and Materials Joining 	<ul style="list-style-type: none"> ▶ Small Business Owner ▶ Metal Fabricator ▶ Welding Inspector ▶ Welding Technician ▶ Underwater Welder ▶ Electric Arc Welder ▶ Aviation Welder

Apprenticeships

SCHOOL	MAJORS	CAREERS
Pipe Fitters Iron Workers Milwrights Sheetmetal / CITC		When finished with the 3-5 year apprenticeship: Journeyman

Professional Level (Four Year or Higher University Degree)

SCHOOLS	MAJORS	CAREERS
West Virginia University University of Charleston Marshall University	<ul style="list-style-type: none"> ▶ Industrial Sciences ▶ Education ▶ Civil Engineering ▶ Mechanical Engineering ▶ Metallurgical Engineering ▶ Process Engineering ▶ Structural Engineering ▶ Welding Engineering 	<ul style="list-style-type: none"> ▶ Educator ▶ Manufacturing Engineer ▶ Sales Engineer ▶ Welding Engineer ▶ Welding Supervisor ▶ Researcher ▶ Laser Welding Operator ▶ Mechanical Engineer

Title IX ADA 504 Notice

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