

Welding

greatoaks.com/welding



Welding

Available at: Diamond, Laurel, Live, Scarlet

COURSES

Gas Metal Arc Welding*

Students will use the gas metal arc welding process (GMAW) to join various types of metal. They will cut metals using oxy-fuel processes and perform multiple types of welds and joints in all positions up to and including overhead. They will select the appropriate type of electrode wire, shielding gas and adjust welding equipment based on the physical characteristics and metal properties. Students will apply quality control factors to evaluate weld quality.

Shielded Metal Arc Welding*

Students will be able to use the shielded metal arc welding process (SMAW) to join various types of metal. They will perform multiple types of welds and joints in all positions up to and including overhead. They will select the appropriate type of electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply their quality control factors to evaluate the quality of welds.

Flux Cored Arc Welding

Students will be able to safely use the flux cord arc welding process (FCAW) to join various types of metal. They will perform multiple types of welds in all positions up to overhead. They will select the appropriate type of cored electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply their understanding of quality control factors to evaluate the quality of welds.

Gas Tungsten Arc Welding*

Students will use the gas tungsten arc welding process (GTAW) to join various types of metal. They will perform multiple types of welds and joints in all positions up to and including overhead. They will select the appropriate type of electrode, filler metal and shielding gas and be able to adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate weld quality.

**These courses are eligible for college credit under the Career-Technical Assurance Guide (CTAG.)*

For more information about what CTAG is: ohiohighered.org/transfer/ct2/earning-college-credit

To learn what credit is currently available at Ohio colleges and universities: transfercredit.ohio.gov/pg_9?9915099094718

CREDENTIALS YOU CAN EARN

- American Welding Society Certified Welder Welding Certification
- OSHA 10 – General Industry
- CPR/First Aid

INSTRUCTORS

- Diamond Oaks: Leamon Wilson – wilsonl@greatoaks.com
- Laurel Oaks: Joshua Wolfe – wolfej@greatoaks.com
- Live Oaks: Matt Crump – crumpm@greatoaks.com
- Scarlet Oaks: Phil Moore – moorep@greatoaks.com