

Structural and Pipe Welder

DESCRIPTION:

This career option covers fundamentals of SMAW, GMAW and GTAW welding processes, plasma arc, air carbon arc, and oxy-fuel cutting processes, metal preparation and heat treatments, as well as, workforce staging, reading blueprints and welding detail drawings. Students will be engaged in hands-on training in the shop approximately 70% of the time.

CERTIFICATIONS/CREDENTIALS:

- Oklahoma Department of Labor Certification
- MSAW, GMAW, GTAW

CAREER OPPORTUNITIES:

- Combination Welder
- FCAW Structural Welder
- Entry Level Welder

SALARY:

NWOK (Avg.)\$47,540

By utilizing the SOC Code (51.4121) for Structural and Pipe Welder www.onetonline.org/link/summary/51.4121.06 additional information including working conditions, physical requirements, knowledge skills and salary range can be found. Gainful employment is available at <http://www.nwtech.edu/gainful-employment>.

COST OF ATTENDANCE:

High School In-District Students - No Tuition Charge



Scan here to learn more about the cost of attending this program at NWTC as an adult student!

More information on tuition, fees, estimated cost of attendance, estimated living expenses and financial aid for adult students can be found at <https://nwtech.edu/student-services/financial-aid-tuition/>.

COURSE INFORMATION: 960 Hours

SMAW Beads & Fillet Welds	180 Hrs.
SMAW Open V Groove Welds	180 Hrs.
Oxy-fuel Cutting	30 Hrs.
Precision Grinding	75 Hrs.
GTAW Plate and Pipe	60 Hrs.
GMAW/FCAW Plate and Pipe	90 Hrs.
Welding Blueprints	45 Hrs.
Welding Equip. Set Up & Filler	15 Hrs.
Welding Joint Fit Up & Adjust.	15 Hrs.
Metal Characteristics & Prop.	30 Hrs.
Metal Prep & Heat Treatments	30 Hrs.
Fundamentals of Welding	135 Hrs.
GTAW Low Alloy/SS Pipe	30 Hrs.
SMAW Open Root Pipe Welds	105 Hrs.
Plasma Arc Cutting	15 Hrs.
Weld Quality	15 Hrs.
Workforce Staging	30 Hrs.

INSTRUCTOR:

J.P. Parker, Instructor
jparker@nwtech.edu
801 VoTech Drive, Fairview, OK 73737
580.227.3708 www.nwtech.edu

Find Out More On Social Media!

SCHEDULES AVAILABLE:

8:20am - 11:20am

12:20pm - 3:20pm

Full-time adult students attend both sessions.

APPLICATION & ADMISSIONS:

Complete an application at <https://nwtech.edu/student-services/enrollment-processes/>. For Admission Questions or To Schedule a Visit: Call NWTC at 580.327.0344. Financial assistance is available to adult students who qualify. ID=In-District; OD=Out-of-District

Non-Discrimination Info
English/Spanish

