

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

Adult Student Cost	Dependent		Independent	
	In-District	Out-District	In-District	Out-District
Structural and Pipe Welder - 960 Hours				
Tuition and Fees*	\$ 1,920.00	\$ 3,840.00	\$ 1,920.00	\$ 3,840.00
Books, Course Materials, Supplies & Equipment*	\$ 630.00	\$ 630.00	\$ 630.00	\$ 630.00
Certification/Licensure Expense*	\$ -	\$ -	\$ -	\$ -
Direct Cost of Attendance	\$ 2,550.00	\$ 4,470.00	\$ 2,550.00	\$ 4,470.00
Housing & Food**	\$ 5,463.36	\$ 5,463.36	\$ 11,522.00	\$ 11,522.00
Transportation**	\$ 1,073.16	\$ 1,073.16	\$ 2,263.25	\$ 2,263.25
Miscellaneous**	\$ 3,219.48	\$ 3,219.48	\$ 6,789.75	\$ 6,789.75
Estimated Cost with living expenses	\$ 12,306.00	\$ 14,226.00	\$ 23,125.00	\$ 25,045.00

*Direct costs are items directly related to attending NWTC. **Source: Indirect costs - South-west Consumer Price Index as of 12/23 - released 1/24.

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

