



ACCREDITED TEST FACILITY WELDER TESTING

Certification Name	Enrolled Student	Outside Student
1. SMAW Plate: Shield Metal Arc Welding	\$100.00	\$400.00
2. GMAW Plate: Gas Metal Arc Welding	\$100.00	\$400.00
3. FCAW Plate: Flux Core Arc Welding	\$100.00	\$400.00
4. GTAW Plate: Gas Tungsten Arc Welding	\$100.00	\$400.00
5. SMAW Pipe: Shielded Metal Arc Welding	\$100.00	\$400.00
6. GTAW Pipe (Carbon Steel): Gas Tungsten Arc Welding	\$100.00	\$400.00
7. GTAW Pipe (Stainless Steel to Carbon Steel): Gas Tungsten Arc Welding	\$100.00	\$400.00
8. GTAW Pipe (Stainless Steel): Gas Tungsten Arc Welding	\$100.00	\$400.00
9. GTAW/SMAW Pipe (Carbon Steel): Gas Tungsten Arc Welding /Shielded Metal Arc Welding	\$100.00	\$400.00
10. GTAW/SMAW Pipe (Chrome PWHT): Gas Tungsten Arc Welding /Shielded Metal Arc Welding	\$100.00	\$400.00

Detailed Certification Information

1. AWS Certified Welder – SMAW Plate:

AWS Certified Welder – Shielded Metal Arc Welding (SMAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skills to deposit sound weld metal in multiple positions 2G horizontal, 3G vertical, and 4G overhead on open V-groove 3/8" plate using an E6010 for the open root portion and an E7018 for the remainder passes fill and cap. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

2. AWS Certified Welder – GMAW Plate:

AWS Certified Welder – Gas Metal Arc Welding (GMAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skills to deposit sound weld metal in multiple positions 2G horizontal, 3G vertical, and 4G overhead on open V-groove 3/8" plate using ER70S-X filler metal from the root, fill, to the cap passes. Note: 3G vertical root will be downhill with the remainder fill and cap up-hill. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall-be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

3. AWS Certified Welder – FCAW Plate:

AWS Certified Welder – Flux Core Arc Welding (FCAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skill to deposit sound weld metal in multiple positions 2G horizontal, 3G vertical, and 4G

overhead on V-groove 3/8" plate with backing plate using an E71T filler wire from the root, fill, to the cap passes. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

4. AWS Certified Welder – GTAW Plate:

AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skill to deposit sound weld metal in multiple positions 2G horizontal, 3G vertical, and 4G overhead on open V-groove 3/8" plate using an ER70S-X filler metal from the root pass, fill, to the cap passes. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

5. AWS Certified Welder – SMAW Pipe:

AWS Certified Welder – Shielded Metal Arc Welding (SMAW) Pipe is considered a Class B pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 6" Schedule 40 pipe. On the root portion of the test will be welded with E6010 and the remainder fill and cap will be welded with E7018. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2"- pipe weld test for qualification and certification. This pipe test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

6. AWS Certified Welder – GTAW Pipe (Carbon Steel)

AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Carbon Steel is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2" carbon steel Schedule 80 pipe. This test will be welded-out using ER70S-X wire from the root pass, fill, to the cap passes. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2"- pipe weld test for qualification and certification. This test shall be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

7. AWS Certified Welder – GTAW Pipe (Stainless Steel to Carbon Steel)

AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Stainless Steel to Carbon Steel is considered a Class A pipe welder certification on dissimilar metals, stainless steel filler metal to carbon steel base metal. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2" Schedule 80 carbon steel pipe. This test will be welded-out using 309L filler metal from the root pass, fill, to the cap passes, and purged with a backing gas argon. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2"- pipe weld test for qualification and certification. This test shall be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

8. AWS Certified Welder – GTAW Pipe (Stainless Steel)

AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Stainless Steel is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2" Schedule 10 stainless steel alloy pipe. This test will be welded-out using 316L filler metal from the root pass, fill, to the cap passes, and purged with a backing gas argon. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2"- pipe weld test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

9. AWS Certified Welder – GTAW/SMAW Pipe (Carbon Steel)

AWS Certified Welder – Gas Tungsten Arc Welding (GTAW)/Shielded Metal Arc Welding (SMAW) Pipe – Carbon Steel is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2-3/4" OD 0.625 wall pipe. This test will be welded out using with ER70S-X wire on the root/hot pass portion and the remainder fill and cap will be welded with E7018. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2"- pipe weld test for qualification and certification. This test shall-be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.

10. AWS Certified Welder – GTAW/SMAW Pipe (Chrome PWHT)

AWS Certified Welder – Gas Tungsten Arc Welding (GTAW)/Shielded Metal Arc Welding (SMAW) Pipe – Chrome, Post Weld Heat Treatment (PWHT) is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2-3/4" OD 0.625 wall pipe. This test will be welded-out using ER80S-B2 wire on the root and hot pass portion and E8018-B2 on the remainder fill and cap. This test will also use the Post Weld Heat Treatment (PWHT) for the duration of the entire test. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2"- pipe weld test for qualification and certification. This test shall-be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.