SENSE

AWS American Welding Society®

Oregon Higher Education Coordination
Commission Private Career Schools
Licensing Unit #1996

AWS American Welding Society LEARNING

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WW WELDING SCHOOL

"LET US TAKE YOU TO PROFESSIONAL WELDING SUCCESS"

WW NDT Services Welding School

"Let us take you to welding success"

In this 420-hour program, you will be introduced to many of the welding & fabricating techniques being used in the industry today. This is a hands-on program where most of the instruction is based around class projects and practicing different welding techniques. You will also be exposed to national certifications that will allow you to go immediately into the workforce with acquired credentials

Shielded Metal Arc Welding

Informally know as **stick welding**, is a manual arc welding process that uses a consumable electrode covered with a flux to lay the weld. An electric current, in the form of either alternating current or direct current from a welding power supply, is used to form an electric arc between the electrode and the metals to be joined. The workpiece and the electrode melts forming a pool of molten metal (weld pool) that cools to form a joint. As the weld is laid, the flux coating of the electrode disintegrates, giving off vapors that serve as a shielding gas and providing a layer of slag, both of which protect the weld area from atmospheric contamination.

Gas Metal Arc welding

Gas metal arc welding (**GMAW**), sometimes referred to by its subtypes metal inert gas (MIG) welding or metal active gas (MAG) welding, is a welding process in which an electric arc forms between a consumable wire electrode and the workpiece metal(s), which heats the workpiece metal(s), causing them to melt and join.

Gas Tung Arc welding

Also known as tungsten inert gas (TIG) welding, is an arc welding process that uses a non-Consumable tungsten electrode to produce the weld. The weld area and electrode is protected from oxidation or other atmospheric contamination by an inert shielding gas (argon or helium), and a filler metal is normally used, though some welds, known as autogenous welds, do not require it.
A constant-current welding power supply produces electrical energy, which is conducted across the arc through a column of highly ionized gas and metal vapors known as a plasma.

Curriculum

- ✓ Safety and Health
- ✓ Shielded Metal Arc Welding
- ✓ Gas metal Arc Welding
- ✓ Gas Tungsten Arc Welding
- ✓ Thermal Cutting Process
- ✓ Welding Inspection and Testing

WW Weld School

Is a SENSE accredited learning institution that prepares student graduates for journeyman level positions as a welder/Fabricator- Lab portions of the program include: SMAW, GTAW, GMAW, FCAW, Metal Cutting Procedures and basic fabrication. Lecture portion of the program include- Blueprint reading, Welding inspection, Understanding weld prints, quality control and safety.

Student applicants

Student applicants must be 18 years or older with high school diploma or equivalent and be able to provide current I.D. in the form of a U.S. Driver's license, US Military ID Card. Green Card. Or any government issued passport. Students must also provide a Urine Drug Screen upon admission to the school.

Curriculum

In this 420 hours/12-week, American Welding Society, competency based program you will be introduced to many of the welding and fabrication techniques being used in the welding industry today. This is a hands-on program where most of the instruction is based around class projects and practicing different welding techniques. You will also be exposed to national certifications that will allow you to go immediately into the workforce with acquired credentials.