

Pipe Welding Classes Offered at RTEC

A special training program designed to instruct students in pipe welding has been added to the RTEC welding training lineup.

This 40-hour training program will instruct students in welding safety of the Shield Metal Arc Welding process (SMAW-Stick), proper techniques and electrode selection for welding pipe to meet American Welding Society (AWS) certification standards.

Students will be welding with E6010 and E7018 electrodes. During the training, students will gain the skills necessary to attempt 5G welding tests. The course will last five weeks with 35 hours of booth instruction and practice and 5 hours of classroom lecture. Upon successful completion of the class, students can make arrangements with RTEC to set up an AWS certification test.

Class pre-requisites: Students taking this course must have 3G or 4G welding position knowledge. In addition, students will be required to perform weld tests with E6010 and E7018 electrodes prior to being accepted into the course. Intermediate courses will be available to help prepare students for this advanced training.

Topics to be covered include:

- Different weld positions & certifications
- Electrode selection and SMAW welding guide
- Protective gear/clothing & power source
- Demonstrate pad of beads with 1/8" 6010
- Horizontal tee and lap joint
- Quality of welds and Oxy-Acetylene procedures
- Vertical down and up tee and lap joints
- Overhead lap and tee and flat V-grooves
- Open root 6010 w/out backing bar, 7018 with backing bar and more

The class is slated to be held two evenings per week. Cost of the class is \$2,995 plus tax. Cost of the class including certification or qualification is \$3,145 plus tax. Financial assistance may be available to those who qualify for funding through the South Dakota Department of Labor.

For more information on the next available class dates or to enroll, please contact RTEC at (605) 668-5700.