

Introductory Stick Welding (SMAW-Stick)

Whether you would like to learn stick welding or you would like to improve your skills in order to enroll in advanced training opportunities, this Introductory Shielded Metal Arc Welding (SMAW) course being offered at the Regional Technical Education Center (RTEC) will help you get there.

During this introductory 40-hour course, you will learn about the SMAW process, a process which is used to construct buildings, ships, truck chassis, pipelines and other weldments.

Among the topics covered in the course are:

- Identify SMAW equipment and accessories
- Factors for selecting an arc welding machine
- Setting the proper amperage and polarity
- Selecting electrodes to meet requirements of a weld: joint, position and metal
- Making fillet welds on a lap joint, inside corner joint and T-joint in flat welding position
- Making a square, single-bevel and V-grooved weld joint in the flat welding position
- Welding in the horizontal, vertical and overhead welding positions
- Techniques for welding uphill and downhill
- Identifying good welds and weld defects, according to AWS D1.1

This class, which is typically held two nights per week from 4-8 p.m., is scheduled according to the instructor's availability and on class demand. Please contact RTEC at (605) 668-5700 for information on the latest class dates.

Cost of the introductory stick welding course is \$765 plus tax. Financial assistance is available for those who qualify for funding through the South Dakota Department of Labor.