



## **WELDING: AWS Sense – Level I (Entry Welder)**

### **Grant County Schools Career and Technology Center**

SENSE – Schools Excelling through National Skills Education - is a set of welding standards and guidelines meant to assist schools in training welders. The program guidelines were originally published in 1995 and 1996 through grants received from the U.S. Department of Education. Based on a survey of the welding industry, the SENSE guidelines define three levels of knowledge and skills required in the welding workplace. Individuals trained with the SENSE guidelines are the Entry Welder, Advanced Welder and Expert Welder.

Shielded metal arc welding (SMAW), also known as manual metal arc welding (MMA or MMAW), flux shielded arc welding or informally as stick welding, is a manual arc welding process that uses a consumable electrode coated in 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. 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.

#### **Course Details:**

- Each class is limited to 18 students, with a class minimum of 10.
- This class is offered at the following location:
  - Grant County Schools Career and Technology Center (GCS CTC)
  - (on the Grant County High School campus)
  - 715 Warsaw Road
  - Dry Ridge, KY 41035
  - (859) 824-9739
- Class Schedule:
  - The AWS Sense – Level I Welding Program is a 90-hour training program
  - Classes will be held Tuesday and Thursday evenings, 5:00 – 8:00 p.m.
  - September 30, 2014 – January 20, 2015
  - Registration Deadline: September 16, 2014
- Instructor: Darrin Robinson
- Registration may be completed via one of the following:
  - Online (<http://grant.kyschools.us/>), or
  - Registration forms are available to be picked up at:
    - Grant County Board of Education office (M-F, 7:30am-4:30pm)  
820 Arnie Risen Blvd, Williamstown, KY 41097 – (859) 824-3323
    - Grant County Career Advancement Center – (859) 813-8124

2020 Taft Highway, Dry Ridge, KY 41035 (By Appointment)

➤ Cost: \$490.00 (total)

Payment is due upon registration. Checks may be made payable to Grant County Schools. Certain candidates may be qualified for assistance with tuition via the Workforce Investment Act (WIA). For additional information about WIA, please contact Katrina Harris-Greene at the Grant County Career Advancement Center (address above). If payment is made by a third party, then acceptable documentation must be presented at enrollment. The third party will be billed as soon as you are enrolled in class.

Cost of class includes:

- Class Tuition
- Workbook and Use of Textbook
- Materials (Steel, welding rods, etc.)
- AWS Sense Exam and Certification
- Insurance
- Use of equipment and safety gear

Students will be responsible for:

- Steel-toed footwear

Refund Policy: Payment is due upon registration. If a student chooses to withdraw from a class, a refund (minus a \$55.00 administrative cost incurred) is available ONLY if the withdrawal is at least one full week before the start of class. Withdrawal after this deadline will result in NO REFUND.

- Upon successful completion of the course, students are eligible to take the AWS Sense – Level I written and performance assessment.
- All testing registrations must be completed in person, at the GCS CTC. Exam fee is included in cost of course.
- Examination results will be received by mail within 30 business days.