

**Collin College - Continuing Education
COURSE SYLLABUS**

COURSE INFORMATION

Course Number: WLDG-1003

Course Title: Welding II

Number of Sessions: 6

Course Description: A continuation of the fundamentals of equipment used in oxyacetylene and Shielded Metal Arc Welding (SMAW), including welding and cutting safety, basic oxyacetylene welding and cutting, basic SMAW processes and basic metallurgy. This course covers the theory and introduction to the shielded metal arc welding (SMAW) processes. Skill in the welding process and the selection of materials and equipment will be stressed.

Suggested Course Prerequisite(s): Completion of WLDG 1015 - Welding I or Basic experience in GMAW, GTAW and SMAW as well as oxyfuel, and plasma cutting experience.

Course Resources: Please email Steven Reeves a sdreeves@collin.edu with additional question regarding supplies.

Tool list:

Weld pliers

Wire brush

Leather welding gloves

Chipping hammer

Vise grips

Welding hood

Welding cap

Tape measure

Safety glasses z87

Apparel:

denim jeans

100% cotton button up shirt

Fire resistant welding jacket (recommended)

Leather boot (steel or compost recommend)

Student Learning Outcomes:

Define the principles of arc welding. Interpret electrode classifications and perform welding operations in various positions using different joint designs.

Refund Policy: Please refer to www.collin.edu/ce/infoRegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state

and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.