WLD115 : Shielded Metal Arc-Welding

This course introduces the fundamental concepts and techniques involved with the shielded metal arc-welding process, safety hazards and proper procedures, equipment set up, electrical theory and machine selection, maintenance and repair, qualification testing, electrode selection, and the production of quality groove and fillet welds in the 1G, 2G, 1F, and 2F positions. Students will develop a theoretical understanding of the SMAW process and then build upon that foundation through practical experience in the laboratory where a variety of welding techniques will be taught through practical exercises and reinforced through self and peer inspection. After this course, the student will be able to perform basic SMAW welding processes.

Credits	4
Clock Hours	60
Lab Hours	40
Lecture Hours	20
Prerequisites	WLD101