WLD120 : SHIELDED METAL ARC-WELDING FIT AND ALIGNMENT

This course develops the 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, and electrode selection. Students will develop the production of quality groove and fillet welds in the 1G, 2G, 3G, and 4G, 1F, 2F, 3F and 4F positions. Students will build practical experience in the laboratory where a variety of welding techniques will be practiced and reinforced through self and peer inspection. At the conclusion of this course students will be prepared to perform quality groove and fillet welds using SMAW processes.

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