WLD130 : GAS METAL ARC-WELDING FIT AND ALIGNMENT

This course develops the concepts and techniques involved with the gas metal arc-welding process, safety hazards and proper procedures, equipment set up, electrical theory and machine selection, maintenance and repair, and qualification testing. Students will develop the production of quality groove and fillet welds in the 1G, 2G, and 3G; 1F, 2F, and 3F positions and students will build practical experience in the laboratory where a variety of welding techniques will be practiced and reinforced through self and peer inspection. Additionally, students will be introduced to production of groove and fillet welds in the 4G and 4F positions and welds utilizing the GMAW spray transfer in a variety of positions.

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