WLD145 : GAS TUNGSTEN ARC-WELDING

This course introduces the concepts and techniques involved with the gas tungsten arc welding process, safety procedures, equipment assembly, electrical theory and machine selection, maintenance and repair, safety testing, electrode selection and preparation, and the production of quality groove and fillet welds in the 1G, 2G, 3G, 4G, 1F, 2F, 3F, and 4F positions. Students will be introduced to GTAW process with carbon steel and Austenitic Stainless Steel, 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.

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