

# ARS 153 : Gas Tungsten Arc and Plasma Arc Welding

This course describes processes, methods, and skills required to produce acceptable welds with gas tungsten arc welding (GTAW) and plasma arc welding (PAW) equipment for aerospace hardware; the standard of acceptability is AWS D17.1:2001 (or latest revision). Topics include equipment, tooling, shielding gases, arc characteristics, welding techniques, non-consumable electrodes, filler metals, base materials, and related safety. Instruction covers manual, semi-automatic, and automatic welding procedures.

**Credits** 3

**Theory Credit**

2

**Experimental Laboratory Credit**

2

**Prerequisites**

ARS 151